Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Maine—Mattawamkeag & Northern Railway having surveys made for line from Mattawamkeag to Millinocket and East Millinocket, about 23 miles. Charles W. Mullen and I. B. Wood, Bangor, interested.

Rhode Island—Rhode Island Co. will ask City Council for appropriation of $300,000 for railway from city docks to point of connection with New York, New Haven & Hartford R.R. Edward Gagel, New Haven, Conn., Ch. Engr., New York, New Haven & Hartford R. R. Noted Nov. 11.

New York—Emporium Lumber Co. plans to extend line from Childwood on Adirondack Division of New York Central Railway to Cranberry Lake and thence to Carthage & Adirondack R.R. at Newton Falls.

Georgia—Georgia Railway and Power Co. contemplates extending line from Atlanta to Alpharetta via Roswell and Crabapple. W. H. Smaw, Atlanta, Ga., Pur. Agt.

Alabama—Jackson-Tinney Lumber Co. will soon award contract for logging road extending southwest from Wagley, about six miles. W. J. Tinney, Talladega, Ala., Pres.

Mississippi—Magnolia, Fernwood & Summit Electric Railway having surveys made for new line. Xavier A. Kramer, Magnolia, Engr.

Kentucky—Chesapeake and Ohio Railway plans to build extension up right fork of Beaver Creek, 15 miles. B. T. Jellison, Richmond, Va., Pur. Agt.

Ohio—Cleveland Railway Co. will extend line on Madison Ave. from West 117th St. to Rocky River. George L. Radcliffe, Cleveland, Gen. Mgr.

Ohio—Dover, Millersburg and Western Railway received 20-year franchice to build and operate electric railway in Millersburg; also granted franchise to build electric railway to connect Millersburg with Sugar Creek and Canal Dover. Noted Sept. 23.

Ohio—Ohio Northern Electric Railway will award contract about Jan. 1 for Bucyrus Tiffin electric line . George W. Stewart, Pres.

Ohio—Wheeling & Lake Erie R.R. obtained right-of-way for two-mile spur to circle east boundaries of Canton. W. L. Rohback, Cleveland, Ch. Engr.

Indiana—Goshen, Ft. Wayne & Northern Interurban Railway Co. will build electric railway, Branch A, from Warsaw through Winona Lake, North Webster, Wolf Lake, Albion and Kendallville to Ashley-Hudson; Branch B, from junction at Ligonier through Topeka to Lagrange; Branch C, from Columbia City through Collins, Churubusco, Huntertown and Leo to Grabill. Noted Oct. 21.

Illinois—Joliet and Eastern Traction Co. plans to extend line from Chicago Heights, Ill., to Hammond, Ind.

Illinois—Waukegan & Woodstock Traction Co., recently incorporated, will build interurban line between Waukegan and Woodstock.

Kansas—C. V. Wardell promoting construction of railroad from Greensburg south to connecting line, direct to gulf.

Kansas—Citizens of Kinsley voted to issue $252,000 bonds to aid Athony & Northern Railway to extend line from Trousdale to Kinsley. O. P. Byers, Hutchinson, Kan., Pres. Noted Sept. 30.

Kansas—Hutchinson Interurban Railway Co. will build line on Carpenter St. James E. Humbert, Hutchinson, Kan., Gen. Mgr. and Pur. Agt.

Kansas—Kansas City, Mexico & Orient R.R. applied to State Public Utilities Commission for permission to issue $51,238,000 bonds. Part of proceeds to be used for building line from Wichita to Kansas City. Edward Dickinson, Kansas City, Kan., Pres.

Kansas—Citizens voted $20,000 bonds to aid Oklahoma & Interstate Railway Co. in building lines to connect Columbus with Galena and Commerce, Okla.

Missouri—Kansas City and Tiffany Springs Railway Co., recently incorporated, will build railway from Kansas City, Mo., to Tiffany Springs, Platte County, about 15 miles.

Missouri—H. W. Knight promoting construction of railroad from Keokuk to Jefferson, will connect with Chicago & Alton R.R. at main line.

Texas—E. P. Turner and associates, Dallas, Tex., plan to build railway from Denton to Krum, about 15 miles.

Texas—Texas and Pacific Railway will build steam railway from point on main line to Seminole. Noted Sept. 30.

Oklahoma—Election will be held Nov. 23 to vote on $15,000 bonds for railway from Columbus and Baxter Springs to Galena for Oklahoma and Interstate Railway. John R. Rose, Oklahoma City, Pres. Noted Sept. 30.

Oklahoma—T. C. Alley and W. T. Crossland, Oklahoma, contemplate building interurban electric line between Coalton, Henryetta and Kusa.

Oklahoma—Citizens of Bartlesville and Pawhuska plan to build railroad, about 43 miles, to connect cities. Estimated cost, $774,000.

Idaho—Lewiston-Clarkston Transit Co. received franchise from Council to build electric railway in Asotin County from city limits of Clarkston on Sixth St. to Highland and 13th St., 1½ miles.

Washington—Cascade Lumber Co., North Yakima, plans to build railroad, 12 miles, with eight miles of branches and spur tracks.

Washington—Tacoma Railway and Power Co., Tacoma, received 50-year franchise to extend line from Ft. Steilacoom Insane Asylum to town of Steilacoom, about two miles. G. W. Rounds, Tacoma, Gen. Supt. Noted Sept. 30.

Oregon—Great Southern R.R. Co. contemplates extending line to connect at The Dalles with steamers on Columbia River. J. G. Heimrick, The Dalles, Ore., Gen. Mgr.

Oregon—Oregon-Washington R.R. & Navigation Co. will renew tracks on various parts of main line between Portland and Huntington. Estimated cost, $800,000. J. B. O'Brien, Portland, Ore., Vice Pres. and Gen. Mgr.

Oregon—Pacific Power and Light Co. received 30-year franchise to extend line on Franklin Ave., Astoria. James E. Davidson, Portland, Gen. Mgr. Noted Nov. 4.

California—Contract will soon be awarded by Board of Public Works for Church St. extension of municipal railway system. M. M. O'Shaughnessy, City Engr.

California—Southern Pacific Railway has taken over Butte County R.R. and will extend line to Westwood to connect with Fernley & Lassen R.R. Co. W. Hood, San Francisco, Calif., Ch. Engr.

Quebec—Canadian Pacific Railway, Montreal, will build spur for Aetna Chemical Co. of Canada, Ltd. Grant Hall, Winnepeg, Man., Vice Pres. and Gen. Mgr.

Ontario—Canadian Pacific Railway will build sidings for Canadian Explosives, Ltd. Grant Hall, Winnepeg, Man., Vice Pres. and Gen. Mgr.

Ontario—Michigan Central R.R., Detroit, Mich., granted permission to build industrial siding for Norton Co., Short Line, Chippewa. G. H. Webb, Ch. Engr., Michigan Central R.R., Detroit, Mich.

Ontario—National Trans-continental Railway (Canada Government Railways) will build three-mile line in Neelands, Ont. C. B. Brown, Moncton, N. B., Ch. Engr., and F. P. Gutelius, Moncton, N. B., Gen. Mgr.

Alberta—Canadian Northern Railway, Toronto, will build spur for Premier Coal Co., Ltd. William Mackenzie, Toronto, Ont., Pres.

LIGHT, HEAT AND POWER

Proposed Work

Vt. Middlebury—A company will be organized to be known as the Central Power Co. of Vermont with capital stock of $1,000,000 to develop water power on the East Middlebury River. C. H. Thompson, Montpelier, interested.

Mass., Holyoke—Bond issue of $100,000 for improving municipal electric-light plant authorized by Board of Aldermen.

N. Y., Beacon—(Official)—Bids will be received by John B. Riley, Supt. of State Prisons, Capitol, Albany, until noon, Nov. 23, for heating work at Matteawan State Hospital, Beacon. (See adv.)

N. Y., Elmira—Morrow Mfg. Co., plans to build a new heating plant for its factories. Estimated cost, $100,000.

N. Y., Monticello—Murray Electric Light and Power Co. will extend its transmission lines from Monticello to Hurleyville. Company also plans transmission line to Centerville on south and Woodbourne on north.

N. J., Lambertville—The Lambertville Public Service Co., recently organized, has acquired the plant and system of the Lambertville Light, Heat and Power Co. and plans extensive improvements in the power system and station.

N. J., Stratford—Clementon Electric Light Improvement Co. of Laurel Springs is negotiating with town authorities for installation of electric-lighting system.

Md., Easton—(Official)—Bids will be received until Dec. 30 by Newton Electric Co. for electric transmission system from Easton to Oxford, about 15 miles. Noted Nov. 4.

Va., Hopewell—Stuart, James & Cook, Engrs., 50 Church St., New York, N. Y., plan to install distributing system in Hopewell.

Fla., West Palm Beach—A site has been acquired by Frank D. Mosier, Trenton, N. J., and associates, on which they plan to build a gas plant.

Miss., Marks—City has granted James Fitzel 20-year franchise to construct and maintain electric-light plant.

Ohio, Cincinnati—See item under "Water Works."

Ohio, Lima—Bonds for $60,000 defeated by citizens for municipal electric-light plant and lighting system.

Ohio, Marietta—(Official)—Citizens defeated $45,000 bonds for municipal electric light plant. Noted Oct. 7.

Ohio, Newark—City plans to improve municipal electric-light plant. Estimated cost, $30,000.

Ill., Belleville—Plans being considered by City Council for municipal electric-light plant.

Wis., Madison—Wisconsin River Power Co. plans to build transmission lines in Sauk, Dane and Columbia Counties.

Wis., Shawano—(Official)—Citizens voted $60,000 bonds for dam and hydro-electric power plant on Wolf River. Noted Nov. 11.

Kan., Perry—Bonds for $5,000 voted for installing new equipment in municipal electric-light plant.

Neb., Heartwell—See item under "Water works."

Mont., Ryegate—Plans being considered for electric-lighting system.

Mo., New Madrid—Bids will be received by W. H. Copeland, City Clk., until Nov. 29, for additions to electric-light plant.

Mo., Trenton—Trenton Gas and Electric Co. plans an expenditure of $100,000 for improvements to its plant.

Ark., Newport—Plans being considered by Arkansas Light and Power Co. for electric transmission line from Newport to Puckerman.

Tex., Dallas—Plans being prepared for power plant for Union Terminal Co. Estimated cost, $40,000.

Tex., Port Arthur—Port Arthur Gas and Power Co., recently incorporated with $250,000 capital stock, plans to build a gas plant and electric power station.

Okla., Westville—Election will soon be held to vote on $10,000 bonds for improving electric-light plant.

Colo., Golden—Jefferson County Power and Light Co. plans to build transmission line to Morrison, about eight miles, and install distributing system.

Idaho, Hailey—Installation of a hot water heating system contemplated by E. J. Gordon and associates. Estimated cost, $50,000.

Idaho, Victor—City plans to install electric-light plant. Bonds for $4,000 authorized for this purpose.

Ore., Pilot Rock—L. K. Harlan has applied to City Council for franchise to install electric-light plant in Pilot Rock.

Que., Montreal—Laurentide Power Co., Ltd., recently incorporated with $10,500,000 capital stock, plans to construct and operate light, heat and power plants. W. F. Chipman, interested.

Ont., London—City Council plans to improve lighting system on Richmond St. Estimated cost, $10,000.

Ont., Niagara Falls—Plans being prepared for government power house to be constructed between Queenston Heights and Niagara Falls. It is planned to develop 300,000 hp. by using surplus waters of Welland Canal.

Ont., Welland—City plans to improve municipal electric-light plant and purchase energy from Ontario Hydro-Electric Power Commission. Estimated cost, $14,000.

Bids In and Contracts Awarded

Mass., Southbridge—Contract for two-story, 56x67-ft. powerhouse for Hamilton Woolen Co. awarded to E. D. WARD, Worcester.

N. J., Paterson—Contract for electric-light and power plant in high school building awarded to BENNETT & BROWN, Paterson. Noted Sept. 23.

Penn., Pittsburgh—Contract for heating and ventilating system for City-County Bldg. awarded to BAKER, SMITH & CO., at $137,500.

Penn., Weatherly—Contract for transmission line from Laurytown to Weatherly for Middle Coal Field Poor District awarded to RODNEY D. ALLEN, Philadelphia, at $8,650.

Md., Baltimore—Contract for power plant and heating system for group of buildings at Johns Hopkins University awarded to ENTERPRISE STEAM AND HOT WATER HEATING CO., 407 North Howard St., Baltimore.

N. C., Stantonsburg—FAIRBANKS, MORSE & CO., Atlanta, Ga., awarded contract for municipal electric-light plant.

Ill., Springfield—Western Cartridge Co. awarded contract for power plant to URBAUER-ATWOOD HEATING CO., St. Louis, Mo. Estimated cost, $100,000.

Wis., Chippewa Fal's—Wisconsin-Minnesota Light and Power Co., Eau Claire, awarded contract for power dam and concrete dam and powerhouse on Chippewa River to KELSEY-BREWER CONSTRUCTION CO., Michigan Trust Bldg., Grand Rapids. Estimated cost, $1,000,000. Noted Nov. 11.

Neb., Du Bois—Contract for transmission line between Pawnee City and Du Bois awarded to KORSEMEYER CO., Lincoln.

Tex., El Paso—Contract for heating system in new high school awarded to ELLIOTT ENGINEERING CO., El Paso, at about $52,000.

Okla., Haworth—Contract for electric-light plant in Haworth awarded to FRANK McMILLAN, at $5,000.

Calif., San Jose—Contract for steel light tower awarded to GOLDEN GATE IRON WORKS, San Francisco, at $6,087.

Man., Reston—Contract for electric generating plant and distribution system awarded to ACCUMULATOR LIGHTING CO., Winnipeg.

BRIDGES

Proposed Work

N. Y., Honeoye Falls—Village plans to raise $6,000 for concrete bridge over Honeoye Creek.

N. J., Atlantic City—(Official)—Bids will be received by Boards of Chosen Freeholders of Atlantic and Burlington Counties, G. A. R. Hall, New York Ave., Atlantic City, N. J., until noon, Dec. 18, for bridge over Mullica River at Chestnut Neck near New Gretna. (See adv.)

N. J., Elizabeth—Plans prepared for two bridges over roads in Vaux Hall section of Union Township for Rahway Valley Co. J. S. Caldwell, Kenilworth, Gen. Mgr.

N. J., Plainsboro—Pennsylvania Railroad will build new bridge on its Trenton Division at Plainsboro.

Penn., Harrisburg—Loan of $300,000 voted by citizens for bridge construction.

Va., Bristol—Southern Railway plans to build steel bridge at English St. crossing. Estimated cost, $7,000.

Va., Hanover—(Official)—Bids will be received at Clerk's Office Court House, until noon, Nov. 24, for reinforced-concrete bridge over Little River, Hanover County. G. P. Coleman, Richmond, State Highway Comr.

Va., Norfolk—Construction of bridge at Falkland St. in connection with improvement of Newton Creek contemplated by city. About $10,000 available for this work.

Va., Stuart—Bids will be received until Nov. 23 by Commissioners of Patrick County for superstructure of steel bridge over Dam River about six miles from Meadowfield. G. P. Coleman, Richmond, State Highway Comr. Noted Aug. 12.

Ala., Selma—Bids will be received until Dec. 13 by Commissioners of Dallas County for nine steel bridges.

Miss., Leakesville—Bids will be received by Greene County Supervisors until Dec. 6 for steel and iron highway bridge across Chickasawhay River. S. R. McKay, Clk. Noted Oct. 21.

Tenn., Harriman—(Official)—Bids will be received by S. A. Breazeale, Rd. Comr., until Nov. 20, for concrete bridge across Emory River. Estimated cost, $50,000. Noted Nov. 11.

Tenn., Paris—Plans being considered by Nashville, Chattanooga & St. Louis Railway for reinforced-concrete viaducts at South Market and Dunlap St.

Ohio, Monroe—Election will be held Dec. 6 to vote on $60,000 bonds for bridge over Raisin River. Noted Nov. 11.

Mich., Grand Rapids—City Council contemplates concrete culvert over Coldbrook Creek from west line of Lafayette Ave. west to east end of present culvert.

Ill., Chicago—(Official)—Bids will be received by John McGillen, Clk. of Sanitary District of Chicago, Room 700, 910 South Michigan Ave., until noon, Dec. 2, for superstructures of Calumet-Sag Bridges. (See adv.)

Wis., Westpoint (Lodi post office)—Bridge will be constructed over Wisconsin River at an estimated cost of $48,000, half of which will be borne by state and half by county.

Iowa, Des Moines—City Council plans to build bridge across Des Moines River at North St.

Mo., Chillicothe—(Official)—Bids will be received by J. Broaddus, Bridge Comr., Courthouse until noon, Dec. 5, for five reinforced-concrete bridges.

Mo., Hillsboro—See item under "Streets and Roads."

Ark., Clarksville—Quorum Court of Johnson County authorized construction of four steel bridges.

Ark., Fulton—See item under "Streets and Roads."

Ark., Montrose—An appropriation of $8,000 made by Commissioners of Ashley County Court for steel bridge.

Ark., Piggott—County will build several steel bridges. W. O. Irby, County Judge.

Ark., Sheridan—County will build 130-ft. steel bridge across Saline River.

Tex., Eastland—Bonds for $8,000 voted by citizens for improving bridges and streets.

Tex., Huntsville—Commissioners of Walker County, Huntsville, and Trinity County, Groveton, will build bridge across Trinity River between Walker and Trinity County. Estimated cost, $50,000.

Okla., Poteau—Bonds for $50,000 voted by citizens of Le Flore County for bridges and roads.

Colo., Walsenburg—Bridge will be constructed across Huerfano River, north of Walsenburg. Estimated cost, $12,500.

Wash., North Yakima—Bridge will be constructed on North Sixth Ave. over ditch of Pacific Power and Light Co. by City and County Commissioners. Estimated cost, $10,000.

Ore., McMinnville—Plans being prepared for concrete viaduct through San Cozine Creek. Estimated cost, $15,000.

Ore., Portland—Bids will be received by A. L. Barbur, County Audr., until Nov. 20, for reinforced-concrete viaduct for extension of Union Ave. Estimated cost of viaduct, $53,000, fill, $13,000.

Ore., Salem—State Highway Department, Salem, prepared plans for bridge across Willamette River at Salem. Estimated cost, $230,000.

Calif., Bridgeport—Bids will be received by Board of Supervisors of Mono County until noon, Jan. 3, for steel bridge across East Walker River, six miles north of Bridgeport.

Bids In and Contracts Awarded

N. Y., Binghamton—All bids received Oct. 4 for replacing bridge over Big Snake Creek near Corbettsville rejected. Noted Sept. 30.

N. Y., Conklin—Contract for bridge over Little Snake Creek awarded to BINGHAMTON BRIDGE CO., Press Bldg., Binghamton, at $4,000.

N. Y., Ft. Edward—Keith Guthrie, Schenectady, at $23,500 submitted lowest bid for bridge over Hudson River at Ft. Edward. Noted Sept. 30 and Oct. 14.

Penn., Johnstown—(Official)—Contract for Horner St. bridge awarded to JOHN L. ELDER, Ebensburg, at $38,358. Noted Aug. 19 and Oct. 28.

Penn., Mooresburg—Contract for concrete bridge for Philadelphia & Reading Railway awarded to C. H. REINARD, Bloomsburg. Noted Oct. 21.

Penn., Norristown—James Smith, Perkiomenville, awarded contract for stone arch bridge over Goshenhoppen Creek, Frederick Township.

N. C., Biltmore—C. W. REQUOTH CO., Charlotte, at about $13,000, awarded contract for bridge across Swannanoa River. Noted Oct. 21.

Fla., Arcadia—Contract for ten concrete bridges awarded to LUTEN BRIDGE CO., at about $20,000. Noted Sept. 30.

Miss., Columbus—Contract for 100-ft. steel bridge and one concrete culvert awarded to H. C. TERRY, Columbus. Noted Oct. 21.

Tenn., Elizabethtown—(Official)—Contract for bridges in Carter County awarded to LUTEN BRIDGE CO., Indianapolis, Ind., at about $47,000. Noted Oct. 21.

Ohio, Cincinnati—RUNCK BROS., First National Bank Bldg., Cincinnati, at $11,994, awarded contract for widening existing bridge on Montgomery Rd. Noted Oct. 21.

Wis., Beloit—Contract will soon be awarded for bridge in South Beloit and Rockton Township. Estimated cost, $10,750.

Wis., Wascott—Contract for concrete bridge over St. Croix River awarded to C. J. ST. ONGE, at $4,185.

Kan., Salina—Contract for bridge over Smoky River awarded to WILMARTH & ZERBE, Salina, at $4,643. Noted Oct. 21 and Nov. 4.

Mont., Miles City—Contract for steel bridge across Fallon Creek awarded to SECURITY BRIDGE CO., Billings, at $9,480.

Mont., Terry—SECURITY BRIDGE CO., at $5,000, awarded contract for bridge across Cedar Creek.

Mo., Kansas City—Contract for reinforced-concrete viaduct at 77th St. and the Paseo awarded to H. H. HANNENKRATT, at about $65,000. Noted Sept. 2.

Okla., Cherokee—KANSAS CITY BRIDGE CO., Kansas City, Mo., at $22,243, awarded contract for 13 bridges.

Idaho, Boise—Contract for bridge across Snake River at Grandview awarded to MISSOURI VALLEY BRIDGE AND IRON CO., Denver, Colo., at $19,850. Noted Oct. 14 and Nov. 11.

Calif., Sacramento—Bids were received Nov. 1 for reinforced-concrete bridge across Myers Creek, Imperial County, as follows: Holland Construction Co., San Diego, $15,600; Forest City Paving and Construction Co., Live Oak, $17,885; Robert Shearer & Co., Los Angeles, $28,748. Noted Oct. 21.

Calif., Willows—Contract for reinforced concrete bridge at Newville awarded to COTTON BROS., Oklahoma, Okla., at $6,000.

Ont., Darling—Contract for bridge on Toronto-Sudbury line of Canadian Pacific at Darling awarded to FOUNDATION CO., Montreal, Que. Estimated cost, $50,000.

WATER WORKS

Proposed Work

Mass., Lowell—Report has been submitted estimating cost of extending water system to Collinsville at about $50,000.

Mass., West Mansfield—W. C. Byrne Co. estimates the cost of water system connecting with Skinners Crossing at $26,000.

N. Y., Batavia—Citizens voted $175,000 bonds. Part of proceeds will be used for filtration and pumping plants.

N. Y., Minoa—(Official)—Citizens defeated $28,000 bonds for water system. Noted Nov. 4.

N. Y., Port Washington—Plans prepared by Harold G. Stevens, Engr., 150 Nassau St., New York, N. Y., for water system for Port Washington Water District.

N. J., South Amboy—City Council is considering installation of municipal water works.

Penn., Dalmatia—(Official)—Dalmatia Water Co. will build water system. Estimated cost, $10,000. Noted Nov. 4.

Penn., Morrisville—Common Council planning installation of filtration plant at city water works.

Del., Media—City plans to improve water system. Estimated cost, $70,000.

S. C., Charleston—Bids will be received by L. M. Pinckney, 56 Broad St., until Nov. 28, for terra cotta pipe drains and appurtenances in portions of Romney, King, Poplar and other streets.

Fla., Travares—City contemplates holding election to vote on bonds for water works.

Miss., Wesson—Bids will be received by P. S. Burt, City Clk., until Dec. 7, for water system and electric light plant. Estimated cost, $18,000. Noted Sept. 9.

La., Shreveport—See item under "Sewers."

Tenn., Camden—City plans to build water system.

Tenn., Henderson—Bids will be received by Mayor and Board of Aldermen until Dec. 3 for water system. Frank L. Wilcox, Syndicate Trust Bldg., St. Louis, Mo., Engr.

Ohio, Albion—Election will be held Dec. 14 to vote on $10,000 bonds for water system.

Ohio, Barnesville—(Official)—Citizens voted for improving water system, including filtration plant and standpipe. Estimated cost, $25,000. M. Knowles, Pittsburgh, Penn., Engr. Noted Oct. 22.

Ohio, Cincinnati—Citizens defeated $400,000 bonds for high pressure fire service. Noted Sept. 30 and Oct. 14.

Ohio, Columbus—Bids will be received by George A. Borden, Dir. of Pub. Ser., until Dec. 1, for supplying pumps and installing necessary fittings at pumping station.

Ohio, Newark—Bonds for $30,000 voted for improving water system.

Ohio, Wadsworth—Citizens voted to purchase light and water plant for $85,000. H. E. Hiers, City Clk.

Ind., Bloomington—Plans prepared for extension of municipal water works plant.

Ind., Michigan City—Bond issue of $75,000 authorized for water works improvements.

Ind., Morocco—Public Service Commission will issue bonds for water works.

Ind., Van Buren—Bonds for $8,000 will be sold. Proceeds will be used to install water system.

Mich., Escanaba—Election will be held Nov. 22 to vote on amendment, permitting the issue of bonds for water works.

Ill., Rankin—(Official)—Citizens voted $6,000 bonds for water system. Noted Oct. 21.

Ill., Waukegon—Report submitted by John Chester of Chester & Fleming, Consult. Engr., Pittsburgh, Penn., estimating cost of filtration plant from $80,000 to $100,000.

Wis., Oshkosh—Council retained H. A. Allen, Consult. Engr., Chicago, Ill., to prepare plans for filtration plant for municipal water system.

Iowa, Iowa City—Construction of reservoir with capacity of 700,000-gal. recommended by J. J. Dunlap, Professor of Iowa University.

Iowa, Marshalltown—Election to vote on $12,000 bonds for extending water mains under consideration.

Minn., Swanville—Citizens voted $9,000 bonds for water system.

Kan., Oswego—(Official)—Citizens voted bonds for extension and improvement of water system. Estimated cost between $28,000 and $30,000. Noted Nov. 4. J. C. Moore, Joplin, Mo., Engr.-in-Charge.

Neb., Heartwell—Franchise granted to Heartwell Water, Light and Power Co. for electric light plant and water system. C. Gilson, Minden, Secy.

Wyo., Powell—City will erect water works system at cost of $20,000. Contract will be let in fall. Green Engineering Co., Spokane, Wash., Engr.

Mont., Townsend—Election will be held to vote on $30,000 bonds for municipal water system.

Mo., Cape Girardeau—City will issue $75,000 bonds for municipal water works.

Mo., Lees Summit—Election will be held Nov. 23 to vote on $28,000 bonds for water system.

Tex., Ft. Stockton—Election will be held Dec. 1 to vote on $28,000 bonds for water system.

Tex., San Angelo—See item under "Light, Heat and Power."

Tex., Tyler—Plans being prepared by H. E. Elrod, Consult. Engr., Dallas, for water system. Estimated cost, $250,000.

Okla., Haworth—City voted $17,000 bonds for water works plant.

Idaho, Hailey—According to press reports E. J. Gordon, Hailey, contemplates building of pipe line from Hailey Hot Springs to Hailey. Estimated cost, $40,000.

Idaho, McCammon—Election will soon be held to vote on $20,000 bonds for water system.

Wash., Auburn—Ordinance passed for installation of water mains in District No. 12.

Wash., Seattle—Bids will soon be received for water mains in downtown streets. Estimated cost, $27,000.

Wash., Seattle—Resolution passed providing the installation of water mains on Dexter Ave., from Wheeler to Aloha St. Estimated cost, $14,000.

Ore., Fossil—Bids will soon be received for replacing wooden water main between The Springs and reservoir with steel mains.

Ore., Lakeside—Water system will be installed by Milo Pierson and John D. Goss. Estimated cost, $10,000.

Ore., Seaside—Election will be held in December to vote on $50,000 bonds for water system.

Ont., London—City will construct 10-in. water main on Carling St. and also plans to lay piping to additional wells and springs and to install pumps to extend water collecting system.

Alaska, Anchorage—Alaska Engineering Commission will build a water system.

Bids In and Contracts Awarded

N. Y., Buffalo—Contract for 12-in. high pressure pipe line awarded to DARK & CO., 654 Main St., Buffalo, at $12,300.

N. Y., New York—(Official)—Board of Water Supply awarded contract for two buildings at Hill View reservoir under Contract No. 128 to WILLIAM H. EAGAN, Lexington Ave. and 25th St., New York.

N. Y., Waterbury—Contract for water system awarded to WILLIAM G. FRITZ CO., at $25,554.

N. Y., White Plains—William H. Green at $4,034, submitted lowest bid for extension of water mains to Byram Lake.

Tenn., Columbia—Contract for filtration plant of 1,000,000-gal. capacity per 24 hours awarded to INTERNATIONAL FILTRATION CO., Chicago, Ill.

Tenn., Maryville—Contract for the construction of water works system awarded to F. D. LISCOMB.

Ohio, Dayton—Contract for 2,000,000-gal centrifugal pump awarded to DE LAVAL CO., at $31,000.

Mich., Sparta—(Official)—Contract awarded to PITTSBURGH-DES MOINES STEEL CO. for construction of 65,000 gal. tank on 86-ft. tower. Noted Nov. 4.

Ill., Virginia—Contract for drilling wells at water works awarded to C. P. BRYANT & CO., Chicago. Estimated cost, $15,000.

N. D., Grand Forks—Contract for water main No. 77 on Viets Ave. from Lewis Blvd. to Conkling Ave. awarded to CARROLL BROS.

Mo., Poplar Bluff—Contracts for water system awarded to UNITED ENGINEERING CO., 327 South La Salle St., Chicago, Ill., at $46,400, for brick power house, machinery foundations, water tubular boiler, feed pump and heater, condenser, two 300-hp. Skinner una flow engines, General Electric generators, pole lines and station wiring, and to WASCO SUPPLY CO., St. Louis, at $9,480, for pole line supplies and materials.

Mo., St. Louis—Bids were received Nov. 12 by Board of Public Service for steam pump, valves and fittings and altering pumping rooms as follows: Modern Heating Co., St. Louis, $10,777; Urbauer Atwood Heating Co., St. Louis, $9,998; Edwin P. Ambler, St. Louis, $11,263.

Idaho, Council—(Official)—E. L. Phelps, Weiser,, at $11,100, submitted lowest bid for water system. Noted Oct. 22.

Calif., San Francisco—Official)—Contract for 3,975 bbl. of cement for Hetch Hetchy diversion dam to direct Tuolumne River into 20-ft. diversion tunnel past main dam awarded to STANDARD CEMENT CORPORATION, $2.37 per bbl.

Ont., Markham—Contract for pipes, hydrants and valves for water system awarded to NATIONAL IRON WORKS, LTD., Cherry St., Toronto, at $5,750.

Ont., Toronto—Contract for the supply and installation of valves and other mechanism at the main pumping station awarded to DRUMMOND McCALL & CO., 373 Front St., E, at $9,530. Noted Nov. 4.

SEWERS

Proposed Work

Mass., Winchendon—Report submitted by R. Fletcher, Professor of Dartmouth College, Hanover, estimating cost of sewer system at $10,000.

Conn., Waterville—Bonds for $300,000 will be sold for trunk sewer from Waterville to terminus of Waterbury sewers.

N. Y., Suffern—Citizens voted to build sewer system.

N. J., Asbury Park—Bids will be received at office of Neptune Township Committee, 75 South Main St., Ocean Grove, until 8 p.m., Nov. 22, for about 10,800 lin.ft. of 6- to 10-in. vitrified pipe sewers and 2,400 lin. ft. of 4-in. vitrified pipe sewer connections.

N. J., Asbury Park—Plans approved for sewer extension in Myrtle and Bangs Ave., section of Neptune Township.

N. J., Caldwell—Citizens voted to extend sewer system.

N. J., Jersey City—Bids will be received by City Commissioners until 2 p.m., Dec. 2, for pipe sewer in Wade St. to connect with sewer in Ocean Ave.

N. J., Manasquan—State Board of Health ordered city to improve sewage-disposal plant. William F. Lefferson, Mayor.

N. J., Newark—Bids will be received by Board of Street and Water Commissioners until Nov. 24 for Valisburg sewers, southwesterly section, and Front St., Arlington Ave. and Greenwood Lake Railroad sewers.

Penn., Sharon—Bonds for $185,000 for sewage-disposal plant defeated by citizens. Noted Oct. 14.

Md., Baltimore—Bids will be received by Board of Awards, City Hall, until Nov. 24, for Section No. 1, Waverly trunk sewer and lateral sewers in District No. 34-D, Contract No. 158 and 169.

W. Va., Kenova—(Official)—Citizens voted $55,000 bonds for sewer system. Noted Oct. 21.

Fla., Ft. Pierce—Ordinance providing for $25,000 bond issue for extending sewer system passed by City Council.

La., Shreveport—Bonds for $1,200,000 voted for sewer and water systems.

Tenn., Chattanooga—North Side Business Men's League will build new sewer. J. S. Bell, Pres.

Tenn., Kingport—City plans to build sanitary sewer system.

Tenn., Memphis—City contemplatess new sewer on water front to divert drainage from front of levee.

Ky., Lexington—Citizens voted $35,000 bonds for sewers.

Ky., Owensboro—Citizens voted $250,000 bonds for sewer system. Noted Oct. 21.

Ky., Paducah—(Official)—Citizens defeated bonds for outfall sewer, District No. 3, Contract No. 1. Noted Aug. 12 and 26.

Ohio, Cuyahoga Falls—Bonds for $60,000 voted for sewage-disposal plant. Noted Oct. 7.

Ohio, Dayton—Citizens voted $1,000,000 bonds. Part of proceeds will be used for sewer construction.

Ohio, East Liverpool—Plans for Sewer District No. 3, east end, approved by City Council.

Ohio, Marion—Bids will be received by J. H. Cheney, Dir. of Pub. Ser., until Nov. 24, for sanitary and storm sewers in Gill Ave., Herman and Senate St.

Ohio, Tiffin—City ordered by Board of Health to build new sewage-disposal plant. Estimated cost, $500,000.

Ohio, Toledo—Bids will be received by Board of County Commissioners until Nov. 26 for main sanitary sewer No. 13.

Ill., Calumet—City plans to install sewer system between 87th, Halstead, 95th and Lake Michigan St. Estimated cost, $665,000.

Ill., Decatur—Plans presented to City Commissioners by J. S. Waterfield Sanitation Co. of Illinois, for sewage treatment plant. Estimated cost, $180,000.

Ill., Dixon—Bids will be received by F. D. Whipp, Fiscal Superv., Springfield, until 3 p.m., Nov. 29, for concrete tunnels and storm water and sanitary sewers at State Epileptic Colony near Dixon.

Minn., Duluth—City Council authorized construction of sanitary sewers in Vineland and Meadow St. and Boundary Ave., 16th Alley west from Raleigh to Sherburne St. and Belmont Alley from Chester Park to Parkland Ave.

S. D., Winner—Bonds for $10,000 voted for sewer system. Noted Oct. 28.

Mont., Townsend—Election will soon be held to vote on $30,000 bonds for sewerage system. L. Poole, City Engr.

Mo., Joplin—City plans to improve sewer system.

Mo., Kirksville—Bids will soon be received for sewer in District No. 3. Estimated cost, $7,300. C. V. Downing, City Engr.

Tex., El Paso—Plans being considered for storm sewer.

Wash., Seattle—Contract will soon be awarded for sewers in Alonzo Ave., N. W., from West 70th to West 67th St. and West 67th St. from Alonzo Ave., N. W., to 14th Ave., N. W. A. H. Dimock, City Engr.

Ont., London—City Council plans to lay about 5,000 ft. of 8- to 12-in. sanitary sewers.

Bids In and Contracts Awarded

N. Y., New Rochelle—Contract for sewer at Hudson Park awarded to A. SOLIMENE, New Rochelle, at $7,417. Noted Sept. 23.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Nov. 10 for making repairs to barrel and box sewers at (a) 26th St. and North River, 37th St. and East River, and 110th St. and East River, (b) 158th St. and North River, Third St. and East River, Stanton and Rivington St., East River as follows: Lawrence Construction Co., (a) $6,902, (b) $5,641; E. A. Riverside Construction Co., (a) $5,818, (b) $5,077; P. J. Kearns, (a) $7,189, (b) $5,886. Noted Nov. 4.

N. J., Perth Amboy—(Official)—Contract for sewer systems in Cornell St. and Compton Ave. awarded to ROHR & POULSEN. Noted Nov. 11.

D. C., Washington—Contract for Section No. 2, Hillbrook Service sewer awarded to WARREN F. BRENIZER, 611 Fourth St., N. E., Washington, at $6,000.

Va., South Boston—City will improve sewer system by day labor. Estimated cost, $7,000.

Ohio, Cleveland—Contract for sewer in East 123rd St. awarded to FRESHWATER CONSTRUCTION CO., at $4,000; sewers in Western Ave. to CONGER HELPER REALTY CO., at $4,350.

Ohio, Wilmington—Contract for sewer work awarded to BOYD & COOK, Dayton, at $6,498.

Ill., Ottawa—Contract for sewer work awarded to A. C. SHREITER, Manitowoc, Wis., at $10,000.

Ill., Upper Alton—Contract for storm and sanitary sewers at Alton State Hospital awarded to MYERS CONSTRUCTION CO., St. Louis, Mo., at $21,370; tunnel work to STRUBEL & HELMICK, Alton, at $53,860. Noted Oct. 14.

Wis., Oshkosh—(Official)—J. Rasmussen & Sons Co. submitted the lowest bid for sewer in Seventh St. from Michigan St. west to Summit. George F. Newmann, Asst. Engr.

Wis., Racine—Contract for Albert and Tenth St. sewer awarded to H. C. HANSON, and Blake Ave. sewer to PETER G. PETERSON.

Iowa, Mason City—(Official)—Inter Mountain Bridge and Construction Co. submitted lowest bid for sewage-disposal plant of Imhoff type. Estimated cost, $70,000. Noted Aug. 12.

Neb., Hastings—(Official)—Contract for sewer construction in Districts No. 71, 72 and 73 awarded to E. R. BING, Hastings, at $7,202. Noted Nov. 4.

Neb., Haverlock—(Official)—Contract for sewers in three districts awarded to J. S. HAMILTON. Noted Oct. 21.

S. D., Dell Rapids—Contract for 17 blocks of sewers awarded to FANEBUST BROS., Sioux Falls.

Mo., Webster Groves—Contract for storm water sewer between Rock Hill and Big Bend Rd., Sylvester and Lakewood Ave. awarded to JOHN F. McMAHON, at $28,000.

Colo., Arvada—Contract for sewer system awarded to GIBBONS CONSTRUCTION CO., Denver. Estimated cost, $30,000.

Colo., Hugo—Contract for sewer system awarded to GORDAN & TAYLOR CONSTRUCTION CO., Denver, at $10,100.

Wash., Harrington—Bids were received for sewer system as follows: Fire Security Bridge Co., Lewiston, Idaho, $5,136; J. W. Hill & Co., 1709 Main St., Spokane, $5,245; H. De Camp, Spokane, $5,922. Noted July 29.

Ore., Portland—Contract for reconstructing wood box sewer in Mill and Water St. awarded to J. P. O'NEILL, on a revised bid at $14,596. Noted Nov. 11.

Calif., El Centro—JAMES KENNEDY, 901 Washington Bldg., Los Angeles, at $206,199, awarded contract for El Centro-Imperial sanitary sewer system.

Calif., Richmond—City Council awarded contract to RICHMOND DREDGING CO., at $92,844, for sewer system. Noted Oct. 21.

Ont., Hamilton—Contract for construction of sewer system awarded to J. J. ARMSTRONG, 116 Burris St. Noted Oct. 21.

Ont., St. Thomas—Contract for sewage-disposal plant awarded to A. E. PONSFORD, LTD., at $8,809. Noted July 29.

Ont., Toronto—Contract for the construction of sewers on Clendennan, Marie, Vine and Symnot St. awarded to AGNEW CO., 606 Avenue Rd., at $8,593.

GARBAGE

Proposed Work

Okla., Bartlesville—Bids will soon be received for garbage incinerator. Estimated cost, $6,500. John Johnstone, Comr. of Finance. Noted Oct. 14.

Bids In and Contracts Awarded

N. J., Newark—Contract awarded to NEWARK PAVING CO., Newark, at $898,200, for collecting and disposing of refuse for five years. Noted Oct. 28.

Ohio, Alliance—City awarded contract to SANITARY SERVICE CO. for handling garbage.

Tex., San Marcos—Contract awarded to JONES BROS., Macon, Ga., for garbage incinerator. Estimated cost, $35,000. Noted Nov. 4.

Ont., Toronto—City awarded contract to GEORGE WEBB, Toronto, for garbage incinerator. Estimated cost, $84,500. Noted Nov. 4.

STREETS AND ROADS

Proposed Work

Vt., Brattleboro—Construction of road from Brattleboro to Bennington under consideration. Estimated cost, $125,000.

Mass., Boston—(Dorchester)—(Official)—Bids will be received by E. F. Murphy, Comr. of Pub. Wks., City Hall Annex, until noon, Nov. 19, for asphalt or bitulithic pavement in Eric Ave., Dorchester.

Mass., Boston—(West Roxbury)—(Official)—Bids will be received by E. F. Murphy, Comr. of Pub. Wks., Room 511, City Hall Annex, until noon, Nov. 19, for asphalt or bitulithic pavement in Vista St., West Roxbury.

Mass., Boston—(West Roxbury)—(Official)—Bids will be received by E. F. Murphy, Comr. of Pub. Wks., Room 51, City Hall Annex, until noon, Nov. 19, for asphalt or bitulithic pavement in Augustus Ave., West Roxbury.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., New York, until 2 p.m., Nov. 23, for improving a number of streets and avenues of the borough.

N. Y., New York—(Borough of Queens)—(Official)—Bids will be received by Maurice F. Connolly, Borough Pres., Borough Hall, Fifth St. and Jackson Ave., Long Island City, until 11a.m., Nov. 22, for improving a number of streets and avenues of the borough.

N. Y., New York—(Borough of Richmond)—(Official)—Bids will be received by Calvin D. Van Name, Borough Pres., Borough Hall, St. George, New Brighton, until noon, Nov. 23, for constructing cement sidewalks on Colfax Ave., east side, between Railroad Ave. and Egbert St., fourth ward; Central Ave., east side, between Frastina Pl. and railroad track, third ward, and Van Name Ave. between Richmond Terrace and railroad track, third ward.

N. J., Haddonfield—Board of Commissioners contemplates paving Hawthorne and Berdwood Ave.

N. J., Newark—Bids will be received by Board of Freeholders until 3:30 p.m., Nov. 22, for improving South Orange Ave. from 20th St. to South Orange Village line.

Penn., Pittsburgh—(Official)—Bids will be received by Hyatt M. Cribbs, County Controller, until 10 a.m., Dec. 1, for improving Cliff Mines and Beaver Grade Connecting Rd., Section No. 1.

Md., Baltimore—Bids will be received until Nov. 23 by O. E. Weller, Chn. of Maryland State Rds. Comn., 601 Garrett Bldg., for seven miles of macadam paving on Annapolis Blvd. between Severn River and College Creek bridges.

Md., Cumberland—Georges St. from Baltimore to Dilly St. will be paved with wood blocks.

W. Va., Martinsburg—Bids will be received by E. D. Bromley, Street Comrs., until Nov. 30, for improving Spring St.

W. Va., Princeton—Bids will be received until Dec. 6 by G. H. Hill, Ch. Engr. of Rd. Constr., for 6¼ miles of waterbound macadam road in Mercer County.

W. Va., Welch—Election will be held Dec. 18 in McDowell County, Sandy River District, to vote on $293,000 bonds for road construction.

N. C., Gastonia—Citizens voted $150,000 bonds. Part of proceeds will be used for new roads and part for improving old ones. Noted Aug. 19 and Sept. 2.

S. C., Summerville—City plans to hold election to vote on $20,000 bonds for street improvements.

Fla., Auburndale—Bonds for $30,000 voted for roads to connect with county hard roads which will be constructed if $1,000,000 Polk County bond issue is authorized.

Fla., New Augustine—Plans being prepared by J. B. McCrary Co., Engr., Atlanta, Ga., for paving King St. Estimated cost, $10,000.

Fla., Sebring—Election will be held Dec. 14 to vote on $50,000 bonds for street improvements.

Fla., West Palm Beach—Bids will be received by F. E. Encell, Chn., Comrs. of Palm Beach County, until Nov. 23, for hard surfacing Military Trail from Okeechobee Rd. west of Palm Beach to Palm Beach Canal.

Ala., Bay Minette—Election will be held Jan. 18 in Baldwin County to vote on $200,000 bonds for improving a number of roads and $55,000 bonds for its portion of highway between Mobile and Baldwin Counties. Noted under Mobile Nov. 4.

Miss., Edwards—Bids will be received by Highway Commission until Dec. 6 for 6½ miles of gravel road. Noted Aug. 19.

La., Mansfield—Election to vote on $280,000 bonds for roads contemplated by De Soto Parish, Wards 2, 4, 5, 6 and 7.

Ky., Bellevue—(Newport post office)—Citizens voted $23,000 bonds for improvement of Taylor Ave. Noted Oct. 21 and 28.

Tenn., Jonesboro—Election will be held Dec. 18 in Washington County to vote on $425,000 bonds for road construction.

Ohio, Cleveland—Citizens defeated $300,000 bonds for improving Carnegie Ave. from East 89th St. to Blvd. Noted Oct. 28.

Ohio, Linden Heights—Bonds for $10,000 voted by citizens for street improvements.

Ohio, Toledo—Bids will be received by County Commissioners until Nov. 30 for grading, draining and macadamizing with water bound macadam Otter Creek Rd., Oregon Township.

Ind., Columbia City—No bids were received Nov. 5 for road on Whitley-Noble county line. Noted Sept. 30.

Ind., Muncie—Bids will be received by F. M. Williams, Audr., Comrs. of Delaware County, until 10 a.m., Dec. 8, for gravel roads in Perry and Mt. Pleasant Townships.

Mich., Jackson—Supervisors of Hinds County plan $50,000 bond issue for improving roads in western part of county.

Mich., Saginaw—Construction of trunk line road between Saginaw and Owosso authorized by Board of Supervisors. Estimated cost, $40,000.

Ill., Peoria—Chamber of Commerce, Peoria, and citizens of Averyville contemplate paving "The Narrows," Galena Rd. Estimated cost, $22,000.

Ill., Streator—Ordinance passed authorizing paving of Bridge and Penn St. Estimated cost, $14,140.

Wis., Green Bay—Bids will be received until 10 a.m., Nov. 23, by F. Biemert, Chn., Com. on Streets, for crushed stone on West Mason St.

Wis., Kenosha—Commissioners of Kenosha County plan an expenditure of $66,405 for permanent highway in 1916. R. H. Jones, County Clk.

Iowa, Ida Grove—Bids will be received until Nov. 30 for paving a number of streets. K. C. Gaynor, Sioux City, Engr. Noted Aug. 15 and Sept. 2.

Minn., Excelsior—Bids will be received by F. S. Skemp, Village Clk., until 7:30 p.m., Dec. 7, for paving a number of streets with concrete, vitrified brick or creosoted blocks.

Kan., Pittsburg—(Official)—Bids will be received by L. Boyd, City Clk., until 8 p.m., Nov. 24, for recurbing and repaving Broadway from Second to Quincy Ave. and curbing and paving Elm St. from 12th to 20th St. and Lindburg Ave. from Broadway to Pine St. Noted Oct. 14.

Neb., Omaha—Bids will be received by T. J. O'Connor, City Clk., until 10 a.m., Nov. 23, for paving 41st, 35th, Cumming St. and various other streets.

Mo., Hillsboro—Bonds for $500,000 for roads and bridges defeated. Noted Oct. 7 and 21.

Mo., Jefferson City—Citizens defeated $100,000 bonds for roads. Noted Oct. 28.

Mo., Liberty—Election will be held Nov. 19 in Clay County, Excelsior Springs Special Road District, to vote on $100,000 bonds for roads. Noted Sept. 16.

Ark., De Witt—Surveys made for macadam road from De Witt to Reydell. Estimated cost, $120,000. L. S. Haller, County Judge.

Ark., Fayetteville—Surveys made for macadam road across Washington County, north and south, via Fayetteville, about 40 miles. Estimated cost, $200,000.

Ark., Fulton—Commissioners of Miller County Highway and Bridge District, Texarkana, will build 16 miles of road and bridge across Red River between Fulton and Index. About $60,000 available for this purpose.

Ark., Harrison—Surveys made for macadam road south to Newton County line to connect with proposed road north from Jasper in Newton County, about nine miles. Estimated cost, $38,000.

Ark., Little Rock—Commissioners of Pulaski County contemplate 22 miles of macadamized and graveled highways.

Ark., Osceola—Mississippi County has completed formation of three separate road districts and fourth is under consideration. New districts plan to build about 200 miles of improved highways.

Ark., Pine Bluff—Jefferson County has formed Road Improvement District No. 12 and will build about 22 miles of hard road in northern part of county. C. M. Philpot, County Judge.

Ark., Pine Bluff—Bonds for $13,000 sold for road from Pine Bluff to Free Bridge.

Ark., Winslow—Plans prepared for macadam road from Winslow to Ft. Smith.

Tex., Crockett—Election will soon be held to vote on $50,000 bonds for improving roads in Houston County.

Tex., Denison—No bids were received Oct. 19 for approximately 13,000 sq.yd. of paving. Noted Oct. 14.

Tex., Eastland—See item under "Bridges."

Tex., Sulphur Springs—Commissioners of Hopkins County plan to hold election to vote on $400,000 bonds for macadam roads.

Tex., Waco—Commissioners of McLennan County, Precinct No. 6, plan to hold election to vote on $200,000 bonds for road construction.

Okla., Poteau—See item under "Bridges."

Colo., Denver—Surveys completed for proposed road from Colfax Highway near rifle range to summit of Green Mountain, about five miles.

Wash., Walla Walla—Bids will be received by County Commissioners until Nov. 27 for two miles of highway near Whitman's Station.

Ore., Pendleton—(Official)—Bids will be received by City Recorder until 5 p.m., Nov. 24, for improvement of Riverside Drive from Main to Railey St. Noted Nov. 4.

Calif., Oakdale—Plans being prepared for paving F St. Estimated cost, $50,000.

Alta., Beverly—(Official)—Citizens voted $10,000 bonds for clearing and grading streets. Noted Oct. 28.

Bids In and Contracts Awarded

Mass., Boston—(Cheshire)—Bids were received Nov. 9 for 1,750 lin.ft. of road in Cheshire as follows: Middlesex Construction Co., Boston. $4,065; Roberts Construction Co., Pittsfield, $4,113; C. B. Lindholm, Pittsfield, $4,542.

Mass., Boston—(Sheffield and Great Barrington)—Bids were received Nov. 9 for section of state highway in Sheffield and Great Barrington from: J. D. Michael & Bros., Torrington, Conn., at $28,382, and Powers Bros., Brockton, at $33,615. Noted Nov. 4.

Mass., Woburn—(Official)—Contract for 5,200 lin.ft. of road awarded to DAVIS & PALLATTO, Lowell, at $11,968. Noted Oct. 21.

N. Y., Albany—(Official)—Bids were received Nov. 11 by State Highway Commission, 55 Lancaster St., for constructing highways by State-Aid as follows:

Road No. 1317, Auburn-Weedsport, Cayuga County, 8.00 miles—Brayer Bros., Auburn, $123,708; Sullivan Construction Co., Syracuse, $123,808; John Young, Syracuse, $124,724.

Road No. 5596—Mayville Village-Erie St., Chautauqua County, 0.79 mile—Edward T. Beck & Co., Warren, Penn., $25,800; Elmer F. Love & Son, Corry, Penn., $26,529; Ontario Roads Co., Inc., Manchester, $26,922.

Road No. 1339, Leroy-Brockport, Part II, Genesee County, 0.40 miles—Atlanta Construction Co., Atlanta, $13,010; Rhodey & Clawson, Albion, $14,119; Parker & Carney, Batavia, $14,631.

Road No. 1253, Chaumont-Depauville, Jefferson County, 6.05 miles—Henry P. Burgard, Buffalo, $45,249; Richard Hopkins, Troy, $47,453; Gruner & Hollenbeck, Harriman, $48,247.

Road No. 512, Akin-Johnstown, Part I, Montgomery County, 4.59 miles—Routley & Summers, Huntingdon, Quebec, $29,528; S. B. Van Wagenen, Inc., Rondout, $31,010; John Arborio, New Haven, Conn., $31,715.

Road No. 5558, Oneida-Verona, Oneida County, 4.69 miles—J. G. Hayes Co., Inc., Rome, $36,624; James Rossney, Buffalo, $38,134; Charles O. McComb, Syracuse, $38,322.

Road No. 5597, Utica-Poland, Part III, Oneida County, 5.34 miles—Routley & Summers, Huntingdon, Que., $51,591; Hovey E. Benedict, Williamsport, Penn., $51,706; James Rossney, Buffalo, $54,129.

Road No. 1338, Scotia-Saratoga County Line, Part I, Schnectady County, 4.22 miles—DeGraff & Hogeboom, Kingston, $33,775; S. B. Van Wagenen, Inc., Rondout, $35,081; John Arborio, New Haven, Conn., $36,207. Noted Oct. 28.

N. Y., New York—(Borough of Brooklyn)—(Official)—Contract for regulating, curbing, and laying sidewalks on Bay 34th St. awarded to B. TURECAMO CONTRACTING CO., INC., at $12,717, regulating, curbing and laying sidewalks on 23rd Ave. to J. J. GUINAN CONTRACTING CO., 2314 Gravesend Ave., New York, at $8,975. Noted Sept. 30 and Oct. 14.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for regulating and repaving various streets awarded as follows: West side of Broadway from curb to rail from north side of 108th St. to north side of 110th St. to ASPHALT CONSTRUCTION CO., Madison Ave. and 137th St., New York, at $5,189; 25th St. from Sixth to Seventh Ave. to SICILIAN ASPHALT PAVING CO., 41 Park Row, New York, at $5,277; 72d St. from Central Park West to Columbus Ave. to AZTEC ASPHALT CO., 90 West St., New York, at $10,655; 78th St. from First to Third Ave., 95th and 96th St. from Broadway to Amsterdam Ave. to SICILIAN ASPHALT PAVING CO., 41 Park Row, New York, at $11,060; Sixth Ave. from Eighth to 10th St., Greenwich Ave. from Sixth Ave. to north of Perry St., West 10th St. from Greenwich to Sixth Ave. to AZTEC ASPHALT CO., 90 West St., New York, at $52,151. Noted Oct. 28 and Nov. 11.

N. Y., Rensselaer—JAMES J. RIDNEY, Rensselaer, at $48,000 awarded contract for paving Riverside Ave.

N. Y., Schenectady—Contract for paving various streets awarded to UNION PAVING CO., at $23,687, and SCHENECTADY PAVING CO., at $2,427.

N. J., Hackensack—E. C. HUMPHREY, 173 Main St., Hackensack, at $24,226, awarded contract for improving Essex and Passaic St. Noted Oct. 28.

N. J., Newton—Contract for improving Newton-Sparta Rd. awarded to RICHARDSON & GASTON, INC., 143 Liberty St., New York, N. Y., at $57,163. Noted Oct. 21 and 28.

N. J., Redbank—Contract for concrete roadway at Throckmortons Fill awarded to WILLIAM A. COVENTRY, Ocean Grove. Noted Oct. 21.

N. J., Trenton—Contract for road from Hightstown to Princeton Junction awarded to MAINWARING & CUMMINGS, Philadelphia, Penn. Estimated cost, $55,000. Noted Oct. 14.

N. J., Trenton—Contract for Section No. 1 of River Rd. from Washington Crossing to Hunterdon County line awarded to UTILITY CONSTRUCTION CO., New Brunswick, at $38,264, for concrete; Section No. 2 to NEWTON PAVING CO., Trenton, at $73,245, for bituminous concrete.

Penn., Harrisburg—M. BENNETT & SONS, Indiana, at $16,640, awarded contract for brick block pavement in Marion Center Borough, Indiana County, and at $14,916, for water bound macadam road in Hickory Township, Lawrence County. Noted Oct. 14.

Penn., Philadelphia—Contract for improving Independence Sq. awarded to F. S. MARKLAND, 1500 Sansom St., Philadelphia, at $10,970.

Penn., Philadelphia—(Official)—Contract for surfacing with bituminous on 5-in. concrete base awarded to UNION PAVING CO., 30th and Locust St., Philadelphia, at $17,162. Noted Nov. 4.

Penn., Pittsburgh—(Official)—Contract for improving Glenn Ave., awarded to GORDON CONTRACTING CO., Pittsburgh, at $8,335; Wible Run Extension Rd. to JOHN FOLEY, Columbus, Ohio, at $35,398. Noted Nov. 4.

Penn., Pittsburgh—(Official)—All bids received Sept. 23 for improving Painters Run Rd. rejected. Noted Sept. 9.

Penn., Pittsburgh—(Official)—Contract for repaving Webster Ave. awarded to BOOTH M. FLINN, LTD., at $11,626.

Va., Norfolk—Contract for paving work on Granby St. awarded to LOUIS LAWSON, Norfolk. Estimated cost, $6,000. Noted Oct. 28.

W. Va., Huntington—(Official)—Contract for paving sections of Sixth, 11th and 13th Ave. awarded to J. ULLOM, Huntington, at $20,052. Noted Oct. 4.

La., Amite—Contract for 52,000 sq.yd. of paving awarded to WORMACK & KENT, Kentwood, at $9,620.

La., Monroe—(Official)—Contract for improving various streets of the city awarded to MERRILL ROAD IMPROVEMENT CO., Chattanooga, Tenn., at $40,000. Noted Oct. 21.

Tenn., Elizabethton—Contract for 70 miles of graded roads and repairing and completing roads already graded awarded to OLIVER HILL CONSTRUCTION CO., at $180,000. Noted Oct. 21.

Tenn., Kingston—Contract for two miles of Harriman and Oliver Springs pike awarded to HARRIMAN CEMENT AND STONE CO., Harriman.

Tenn., Kingston—Contract for pike from Harriman to Rockwood awarded to FRANK GAMBILL CO. Noted Oct. 28.

Tenn., Park City—(Knoxville post office)—Contract for paving Magnolia Ave. awarded to MURRAY CONSTRUCTION CO. Estimated cost, $105,000. Noted Oct. 7.

Ohio, Cheviot—(Cincinnati post office)—Contract for paving with brick on Olivette Ave. and sewer in North Bend Rd. awarded to KIRCHNER CONSTRUCTION CO., Cincinnati.

Ohio, Elyria—Contract for slag water-bound macadam road awarded to PUBLIC CONTRACTING CO., Masonic Temple, Elyria, at $8,419.

Ohio, Granville—(Official)—Contract for draining, curbing and paving Broadway St. from east to west corporation line awarded to OHIO ENGINEERING CO., Lorain, at $50,580. Noted Oct. 28.

Ind., Bloomington—Contract for paving East Sixth St. awarded to UNION ASPHALT CO., Indianapolis, at $16,326. Noted Oct. 14.

Ind., La Fayette—Contract for gravel road in Wayne Township, Tippecanoe County, awarded to S. S. PALMA, La Fayette, at $8,190.

Ind., Muncie—Contract for two roads in Liberty Township awarded to SNYDER & BARNETT, Frankfort. Noted Oct. 28.

Ind., Newport—Contract for gravel roads in Helt and Clinton Townships awarded to JAMES HEBER, Hillsdale, at $4,100, and CLAUDE INGRAM, Hillsdale, at $2,940. Noted Oct. 14.

Ind., Portland—Contract for brick pavement on macadam base in street from Ship St. across river bridge to Lake Erie Railroad awarded to FITZMAURICE & BEARD, at $1.42 per sq.yd.

Ind., South Bend—Contract for three gravel roads awarded to H. W. REED & SONS, Mishawaka, at $51,350. Noted Oct. 14.

Ind., Williamsport—Contract for gravel roads in Jordan and Pike Township awarded to CHARLES L. IRVIN, Attica, at $4,550. Noted Oct. 14.

Mich., Detroit—Contract for paving Sheridan Ave. from Gratiot to Frederick St. and Wabash Ave. from McGraw to West Grand Blvd. awarded to DETROIT ASPHALT PAVING CO., Detroit, at $4,424 and $13,068 respectively; Lynn St. from Oakland to Cameron Ave., to CLEVELAND TRINIDAD PAVING CO., at $4,140.

Mich., Sault Ste. Marie—Contract for 7½ miles of gravel roads awarded to A. T. BOUND, Brimley, at $47,000. Noted Oct. 14.

Ill., Springfield—Contract for extending Peoria hard road from Springfield awarded to CAMERON JOYCE, Keokuk, Iowa, at $13,673, by State Highway Commission, Springfield.

Minn., Park Rapids—(Official)—C. T. Glasser, Minneapolis, at $7,352, submitted lowest bid for job No. 2, State Highway No. 1, between Akely and east county line.

Minn., Wayzata—Lowest bid received for grading main road through Wayzata submitted by McCullough & Cheney at $10,756.

Kan., Bonner Springs—Contract for paving, grading and curbing awarded to A. JAICKS CO., American Bank Bldg., at $6,312.

Mont., Livingston—Contract for paving Park St. awarded to WARREN CONSTRUCTION CO., at $8,000.

Tex., El Paso—Contract for paving San José St. and Portland Ave., Manhattan Heights, awarded to SOUTHWESTERN PAVING CO. Estimated cost, $10,000.

Tex., Terrell—Contract for 55 miles of gravel and macadam highway awarded to J. S. TOBY & CO., Ft. Worth, at $114,000. Noted Oct. 7.

Wash., Dayton—Contract for two miles of highway on Highway No. 1 awarded to TRIBOU & BLACKMAN, Walla Walla, at $4,250.

Calif., Arcadia—(Official)—Contract for about 16 miles of piled macadam roadway and 10,000 lin. ft. of concrete curb and gutter awarded to ROGERS BROS. CO., Los Angeles. Estimated cost, $118,000. Noted Oct. 28.

Calif., Hillsborough—Contract for improving a number of streets awarded to RAISCH IMPROVEMENT CO., San Francisco, at $10,000. Noted Aug. 14.

Calif., Los Angeles—(Official)—Contract for paving Western Ave. from Temple St. to Fountain Ave. awarded to GEORGE R. CURTIS, at $49,266. Noted Sept. 30.

Calif., Morgan Hill—Contract for improving Monterey Rd. awarded to CASLEY & HAMILTON, San Jose, at $6,249.

Calif., San José—Contract for paving a new street between Rucker and Leavesly awarded to JOHN BOYLE, at $4,287.

Calif., Santa Cruz—Contract for paving a number of streets awarded to HOWARD CONSTRUCTION CO., Oakland, at $40,994. Noted Sept. 16.

INDUSTRIAL WORKS

Proposed Work

Mass., Ware—Otis Co. contemplates building three-story building to replace Mill No. 2.

Mass., Worcester—Worcester Woolen Co. will build four-story, 63x106-ft. concrete mill.

R. I., Woonsocket—Joseph G. Ray, Franklin, Mass., will build three-story, 80x380-ft. brick mill on Pont St.

Conn., Hartford—Bids will soon be received for three-story addition to refrigerating plant of Swift & Co. Estimated cost, $100,000. Noted Nov. 11.

N. Y., Buffalo—Buffalo Distilled Water Ice. Co. will build warehouse at 2 Central Ave. Estimated cost, $10,000.

N. Y., Elmira—Plans being prepared for plant for Morrow Manufacturing Co. Estimated cost, $100,000.

N. Y., Ft. Plain—Plans being prepared for two-story, 50x185-ft. plant for A. A. Warath & Son.

N. Y., New York—(Borough of Brooklyn)—(Official)—Plans prepared by Francisco & Jacobus, Arch., 200 Fifth Ave., for four-story, 80x100-ft. brick and steel sales and service station at Bedford Ave. and Sterling Pl., for Ford Motor Co., Detroit, Mich. Estimated cost, $100,000.

N. Y., Poughkeepsie—Plans prepared by J. J. Petit, Arch., 103 Park Ave., N. Y., for four-story, 75x350-ft. factory for Victor Typewriter Co. Estimated cost, $250,000. Noted Nov. 11.

N. J., Elizabeth—Plans prepared for one-story, 40x236-ft. factory for Metal Plating Co., 200 Fifth Ave., New York, N. Y. Noted Sept. 23.

N. J., Gibbstown—Du Pont Powder Co. contemplates building plant No. 2.

N. J., Irvington—Lionel Manufacturing Co., 365 Ogden St., Newark, contemplates building two-story, 228x235-ft. plant on South 21st St. Estimated cost, $60,000.

N. J., Newark—W. S. Rockwell Co. will build two-story factory on Balls Lane. Estimated cost, $20,000.

Penn., Cedar Hollow—Plans being prepared by Day & Zimmerman, Engr., 611 Chestnut St., Philadelphia, for lime kiln for Charles Warner Co., Wilmington, Del. Estimated cost, $80,000.

Penn., Philadelphia—Revised plans prepared by Charles E. Oelschlager, Arch., for three-story, 98x135-ft. warehouse for James Gallagher, Inc.

Penn., Phillipsburg—Mercantile Realty Co. will build window glass factory. Estimated cost, $10,000.

Penn., West End—A. B. Davidson, West Seventh Ave., contemplates building two-story grain elevator and warehouse at East St. and West Sixth St.

D. C., Washington—Plans being prepared for four-story bakery for Holmes & Son. C. D. Cooley & Co., Century Bldg., Pittsburgh, Penn., Arch. Estimated cost, $50,000.

D. C., Washington—Plans being prepared by George T. Santmyer, 917 New York Ave., for two-story, reinforced-concrete warehouse at 12th and C St. for W. R. Nash. Estimated cost, $10,000.

Va., Danville—Riverside and Dam River Cotton Mills will build two-story, 115x170-ft. building. Estimated cost, $40,000. Shattuck & Hussy, 19 South La Salle St., Chicago,, Ill., Arch.

Va., Lamberts Point—(Norfolk post office)—Bids will soon be received by Norfolk & Western Ry. Co. for two-story warehouses. Estimated cost, $1,800,000. L. E. Johnson, Roanoke, Ch. Engr. Noted Oct. 7.

W. Va., Charleston—Biago Fruit and Produce Co. having plans prepared for cold storage, ice plant and office building. Estimated cost, $48,000. Paul M. Egan, 814 Quarrier St., Arch.

W. Va., Huntington—Stroehamnns Vienna Bakery has plans for one and two-story, 90x100-ft. bakery and office building. Estimated cost, $40,000. C. D. Cooley Co., Arch., Century Bldg., Pittsburgh, Penn. Noted Oct. 7.

W. Va., Wheeling—Plans being prepared by Charles W. Bates, Arch., 702 National Bank of West Virginia Bldg., for two-story, 175x200-ft. packing plant for Kalbitzer Packing Co.

N. C., Durham—Durham Steel Products Co., recently organized, will build a large plant for the manufacture of war munitions.

N. C., Durham—Imperial Tobacco Co. plans to build plant. Estimated cost, $500,000.

N. C., Greensboro—C. W. Edwards will build one-story, 67x200-ft. garage to be occupied by Gate City Motor Co. Estimated cost, $1,000.

N. C., Hendersonville—J. E. Sirrine, Greenville, S. C., preparing plans for 50x80-ft. mill and 22x76-ft. dyehouse for Hendersonville Hosiery Knitting Mill.

N. C., Raleigh—News and Observer Publishing Co. will rebuild plant destroyed by fire.

N. C., Statesville—Statesville Cotton Mill plans to build addition and install new machinery. Estimated cost, $70,000.

S. C., Columbia—Du Pre Motor Co. will build one-story, 47x100-ft. garage. Estimated cost, $10,000.

Ga., Athens—Georgia R.R. will build warehouse to be occupied by Callaway Grocery Co. Estimated cost, $35,000.

Ga., Augusta—Riverside Compress Co. will rebuild compress which was recently destroyed by fire.

Ga., Columbus—Plans prepared for addition to plant of Bibb Manufacturing Co., 23rd and River St. Estimated cost, $200,000.

Ga., Moultrie—T. H. Rothe and James B. Carlton will build a commercial hog cholera serum plant. Estimated cost, between $15,000 and $25,000.

Fla., Miami—Pin-Ap-Ola Co., 801 Longacre Bldg., New York, N. Y., will built a plant. Estimated cost, $35,000.

Ala., Shreveport—Developers Oil and Refiners Co. will build oil refinery at Shreveport.

Ala., Sylacauga—Avondale Mills, Birmingham, will enlarge cotton mill at Sylacauga. Estimated cost, $100,000.

La., New Orleans—Mohawk Motor Co., Wilmington, Del., plans to build factory. J. Bart Davis, interested.

Tenn., Nashville—J. B. Palmer will build two-story, 50x175-ft. brick garage. Estimated cost, $12,000.

Ky., Louisville—Kentucky Distillery and Warehouse Co. will improve building and build warehouse at Hamilton and Gregory St. and build addition to building at Thorn and Hamilton St. Estimated cost, $22,500.

Ohio, Canal Dover—Immel Feed and Milling Co. will rebuild plant which was recently destroyed by fire. Estimated cost, $40,000.

Ohio, Lima—Crucible Steel Co. will build an addition to plant. Estimated cost, $30,000.

Ohio, Sebring—E. H. Sebring Pottery Co. plans to build one and two-story addition. Estimated cost, $10,000.

Ohio, Toledo—Scheiwe Storage Co. will build warehouse at 141 Woodruff Ave. Estimated cost, $65,000.

Ohio, Toronto—Wayne Pottery Co. acquired plant of American China Co. and will improve same. Estimated cost, $20,000.

Ind., East Chicago—American Steel Foundries contemplates building 200x330-ft. addition to plant.

Ind., Indianapolis—J. B. Howard will build garage at Meridian and Tenth Ave. Estimated cost, $13,000.

Ind., Muncie—Gill Clay Pot Co. will rebuild plant which was recently destroyed by fire with loss of $100,000.

Mich., Fenton—Aetna Portland Cement Co., 412 Union Trust Bldg., Detroit, will enlarge plant. R. E. Paine, 50 Church St., Boston, Mass. ,and others interested.

Mich., Flint—A. L. A. Tire Co. will build one and two-story, 100x275-ft. plant on East Kearsley St.

Mich., Flint—Buick Motor Car Co. will build two-story, 300x350-ft. foundry.

Mich., Muskegon—Plans being prepared for 100x380-ft. plant for American Enameled Magnet Wire Co.

Ill., Chicago—Armour & Co. will build two-story garage at 3041 Piting St. Estimated cost, $28,000.

Ill., Chicago—Merchants Wholesale Grocery Co. will build two-story warehouse. Estimated cost, $25,000. C. Thisslew, Arch.

Ill., Chicago (South Chicago)—Illinois Steel Co. will build duplexing plant. Estimated cost, $2,000,000.

Ill., Chicago—General Fire Extinguisher Co., 1511 West 38th St., will build addition to plant. Estimated cost, $30,000. S. S. Joy, 1118 West 35th St., Arch.

Ill., Galesburg—Coulter Disc Co. will build plant to replace one recently destroyed by fire with loss of $100,000.

Wis., Superior—Great Northern Railway will build grain elevators in spring. A. H. Hogeland, St. Paul, Minn., Ch. Engr.

Iowa, Keokuk—Keokuk Electric Metals Co. will build plant. Estimated cost, $100,000.

Minn., Brainerd—Plans prepared for 80x410-ft., reinforced-concrete paper and pulp mill for Northwestern Paper Co. Estimated cost, $300,000. T. T. Whittier, Ch. Engr.

Kan., Wichita—Standard Oil Co. approved plans for warehouse, wash house, boiler room, tank house, office building and garage. Estimated cost, $75,000. Noted Sept. 9.

Neb., Gering—Gering Sugar Co., auxiliary of Great Western Sugar Co., will build plant. Estimated cost, $125,000.

Mo., St. Louis—International Shoe Co. will build two-story, 110x110-ft. addition. Estimated cost, $35,000.

Mo., Springfield—Springfield Ice and Refrigerating Co. will build a warehouse. Estimated cost, $125,000. B. E. Meyer, is Mgr.

Tex., Galveston—J. J. Kane and associates plan to build plant for construction and repair of ships. Estimated cost, $1,000,000.

Tex., Garland—F. W. White, A. R. Davis and Z. S. Armstrong organized a company to build a grain elevator. Estimated cost, $15,000.

Tex., Gatesville—Gatesville Cotton Yard and Warehouse Co. will build warehouse. Estimated cost, $12,000. J. T. Post interested.

Tex., Houston—Plans being prepared by Finger & Bailey, Houston, for four-story, 130x140-ft. reinforced-concrete warehouse for Magnolia Paper Co.

Tex., Mexia—Mexia Glass Works will build four-story plant. Estimated cost, $75,000.

Okla., Tulsa—Contract will soon be awarded for two-story, 50x120-ft. warehouse for W. L. Britton. Estimated cost, $12,000.

Wash., Port Angeles—Standard Oil Co., Railway Ave. and Whatcom St., Seattle, will install three oil tanks, build office building and warehouse. Estimated cost, $75,000. John McLean, Mgr.

Wash., Seattle—U. K. Loose, Lowman Bldg., interested in construction of plate plant. Estimated cost, $2,000,000.

Que., Sherbrooke—Canadian Ingersoll Rand Co. will build machine shop. Estimated cost, $50,000.

Que., Valleyfield—Castings Co. will establish forge, foundry and shell factory. L. A. Boyer, Town Clk

Bids In and Contracts Awarded

Mass., Leominster—Contract awarded to WILEY & FOSS, Fitchburg, for two-story, 40x241-ft. addition to plant of Viscoloid Co.

Mass., Worcester—(Greeendale)—Norton Co. awarded contract to E. J. CROSS CO., 82 Foster St., for four-story, 40x56-ft. addition.

Conn., Torrington—Contract awarded to TORRINGTON BUILDING CO., 179 Water St., for one-story, 220x240-ft. plant for Coe Brass Branch of American Brass Co.

Conn., Waterbury—Contract for machine shop and office building for Waterbury Tool Co. awarded to TRACY BROS. CO., Waterbury. Estimated cost, $70,000. Noted Nov. 11.

N. Y., Buffalo—Contractors Plant Manufacturing Co. awarded general contract for one-story, 60x140-ft. addition to JOHN W. COWDER CO. Estimated cost, $15,000.

N. Y., New York—(Borough of Brooklyn)—(Official)—Edison Electric Illuminating Co., 13 Willoughby St., awarded contract to J. C. LYONS SONS CO., 30 East 42d St., for two-story, 98x100-ft. brick shop and garage on Quincy St. Estimated cost, $40,000. Noted Oct. 21.

Penn., Harrisburg—Contract awarded to MASHEK ENGINEERING CO., 90 West St., New York, N. Y., for plant for Gamble Fuel Briquette Co., Harrisburg.

Penn., Norristown—Adam Scheidt Brewing Co. awarded contract to PHILIP HAIBACH CONSTRUCTION CO., Philadelphia, for three-story, reinforced-concrete bottling plant. Estimated cost, $70,000. Noted Nov. 4.

Penn., Philadelphia—Girard Point Storage Co. awarded contract for 100x200-ft. addition to grain elevator to JAMES STEWART & CO. Estimated cost, $200,000.

Penn., Sharon—Contract for grain elevator for J. B. Roux awarded to FARRELL BUILDING CO. Estimated cost, $25,000.

Penn., Yardley—Klauder Weldon Dyeing Machine Co. awarded contract to CHARLES T. EASTBURN, Yardley, for stone and steel foundry.

Md., Baltimore—Curtis Bay Distilling Co. awarded contract to CHICAGO BRIDGE AND IRON CO., 1300 West 105th St., Chicago, Ill., for 67 steel tanks. Estimated cost, $250,000.

Md., Baltimore—City Baking Co. awarded contract to CHARLES L. STOCKHAUSEN, 1 National Marine Bank Bldg., Baltimore, for three-story, 74x100-ft. bakery and garage. Estimated cost, $20,000. Noted Oct. 21.

Md., Baltimore—International Motor Co. awarded contract to CONSOLIDATED ENGINEERING CO., 243 Calvert Bldg., for one-story, 60x150-ft. garage.

N. C., Charlotte—Buckeye Cotton Oil Co. awarded contract to BLYTHE & ISENHOUR, Charlotte, for two additional buildings. Estimated cost, $20,000.

Go., Columbus—Chero-Cola Bottling Co. awarded contract to L. E. WOOTEN, Columbus, for two-story plant. Estimated cost, $150,000.

Fla., Tampa—Consumers Ice and Cold Storage Co. awarded contract to McGUKEN & HEYER, Tampa, for five-story, 30x90-ft. packing plant. Estimated cost, $250,000.

Ala., Selma—Contract for additions to plant of Buckeye Cotton Oil Co. awarded to THOMAS PURVIS, Selma. Estimated cost, $40,000.

Ohio, Cincinnati—City Ice Delivery Co. awarded contract to REAUGH CONSTRUCTION CO., 2835 East 51st St., Cleveland, for ice plant at Price and Elberon Ave. Estimated cost, $17,000. Noted Oct. 28.

Ohio, Cleveland—Davis Laundry Co. awarded contract to PAUL BROS. CONSTRUCTION CO., 615 Citizens Bldg., Cleveland, for two-story, 50x100-ft. addition. Estimated cost, $10,000.

Ohio, Xenia—Contract for elevator, warehouse and feed mill for C. O. Miller, of Trebiens, awarded to BURRELL ENGINEERING AND CONSTRUCTION CO., Chicago.

Mich., Detroit—Studebaker Automobile Corporation awarded contract for 50x350-ft. building adjacent to plant No. 3, at Brush and Piquette St., to WISCONSIN BRIDGE AND IRON CO., 505 Moffat Block. Estimated cost, $30,000. Noted Oct. 14.

Mich., Muskegon Heights—Campbell-Wyant and Cannon Co. awarded contract to INDIANA BRIDGE CO. for two-story foundry. Estimated cost, $100,000. Noted Oct. 28.

Ill., Chicago—Martha Washington Candies Co. awarded contract to MUELLER CONSTRUCTION CO. for three-story factory. Estimated cost, $22,000.

Wis., Milwaukee—A. J. Lindermann-Hoverson Co., Midland and Cleveland Ave., awarded general contract to DANIEL B. DANIELSON, 874 Layton Blvd., for enameling shop. Estimated cost, $20,000.

Neb., Omaha—Contract for dye works at 24th and Erskine St. for Frank J. Carey, 24th and Lake St., awarded to JOHN BROS. CO., 3152 Chicago St., at $16,000.

Mo., St. Louis—(South St. Louis)—Monsanto Chemical Works awarded contract to GILSONITE CONSTRUCTION CO., Wainwright Bldg., St. Louis, for warehouse. Estimated cost, $70,000. Noted Nov. 4.

Mo., St. Louis—Terminal R.R. Association awarded contract to FRUIN-COLNON CONSTRUCTION CO., St. Louis, for two-story, 50x100-ft. service building at Compton and Scott St. Estimated cost, $15,000.

Wash., Seattle—All bids received Oct. 20 for four-story addition to warehouse on Whatcom Ave. for Port of Seattle Commission have been rejected. Noted Nov. 11.

Calif., Los Angeles—Murphy Oil Co. awarded contract to E. M. WHEATLAND, 108 North Greenleaf Ave., Whittier, Calif., at $56,434 for one-story packing plant.

N. B., St. John—Contract awarded to RHODES, CURRY CO. for 80x350-ft. warehouse, running parallel to No. 15.

Ont., Welland—Electric Steel and Metals Co., Welland, awarded contract to STANDARD STEEL CONSTRUCTION CO. for machine shop. Estimated cost, $20,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Attleboro—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 21, for United States post office at Attleboro.

N. Y., New York—Dredging—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Dec. 11, for dredging at Navy Yard, New York.

N. Y., New York—Dredging—Bids will be received at U. S. Engineer Office until noon, Dec. 14, for dredging Newark Bay and Passaic River, N. J. (See adv.)

N. Y., New York—(Borough of Manhattan)—Post Office—Plans being prepared by W. H. Volkening and J. Holler, Jr., Archs., 88 Wall St., for post office at Fourth Ave. and 13th St. for Estate of Charles A. Chesebrough to be leased by U. S. Government. Estimated cost, $50,000.

Wis., Antigo—Post Office—Bids will be received about Jan. 1 for U. S. post office at Antigo. Estimated cost, $70,000.

Wis., Beaver Dam—Post Office—Bids will be received about Jan. 1 for U. S. post office at Beaver Dam. Estimated cost, $75,000.

Neb., Aurora—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 22, for United States post office at Aurora.

Guam—Steel Towers—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Jan. 8, for two 400-ft. steel towers at radio station, Island of Guam.

Panama—Miscellaneous and Metal Supplies—Bids will be received by Major F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Dec. 1, for miscellaneous and metal supplies.

Panama—Miscellaneous Supplies—Bids will be received by Major F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Dec. 1, for miscellaneous supplies.

P. R., San Juan—Pipe Line—Bids will be received by Depot Quartermaster until 10 a.m., Dec. 1, for pipe line from Fort El Morro to points of distribution post of San Juan.

Bids In and Contracts Awarded

Mass., Boston—Building—Contract for U. S. appraisers' stores, Boston, awarded to P. J. CARLIN CONSTRUCTION CO., 1123 Broadway, New York, at $610,000. Noted Oct. 21 and Nov. 4.

Penn., East Pittsburg—Post Office—Bids were received Nov. 6 for U. S. post office at East Pittsburgh, (a) limestone, (b) sandstone, as follows: Torbett Construction Co., Hampton, Va., (a) $49,021, (b) $49,945; Fissell & Co., Marbridge Bldg., New York, N. Y., (a) $50,000, (b) $50,,500; George Hogg Co., Pittsburgh, Penn., (a) $51,000, (b) $51,350. Noted Sept. 30.

Penn., Harrisburg—Post Office—Contract for U. S. post office at Harrisburg awarded to H. L. BROWN CO., Mt. Vernon, N. Y., at $113,405. Noted Aug. 26, Oct. 7 and Nov. 11.

Penn., Monongahela—Post Office—Contract for U. S. post office at Monongahela awarded to JAMES DEVAULT, Canton, Ohio, at $44,500. Noted Sept. 23 and Nov. 4.

Penn., Pittsburgh—(Official)—Bridge and Trestles—Bids were received Nov. 5 for service bridge and Poiree trestles at Dam No. 10, Ohio River, as follows: Independent Bridge Co., Pittsburgh, $8,732; Penn Bridge Co., Beaver Falls, $9,198; York Bridge and Construction Co., York, $10,013. Noted Ovt. 14.

Md., Baltimore—Mechanical Equipment—Contract for mechanical equipment for U. S. immigration station awarded to W. G. CORNELL, Washington, D. C., at $82,759. Noted Aug. 12.

Va., Norfolk—Shell House—Baker & Brinkley, 220 Dixon Bldg., Norfolk, at $15,574, submitted lowest bid for shell house at Naval Magazine, Norfolk. Noted Oct. 14.

Va., Norfolk—Building—Contract for building at St. Helena Navy Yard awarded to R. R. RICHARDSON & CO., Norfolk, at $36,978. Noted Sept. 30 and Oct. 28.

Va., Norton—Post Office—Contract for U. S. post office at Norton awarded to WESTCHESTER ENGINEERING CO., White Plains, N. Y., at $56,897. Noted Sept. 16 and Oct. 28.

N. C., Wilkesboro—Post Office—Contract for United States post office at Wilkesboro awarded to RICHARDSON ENGINEERING & CONSTRUCTION CO., Bainbridge, Ga., at $52,600. Noted Sept. 16 and Oct. 21.

Fla., Pensacola—Hangars—Contract for three hangars at U. S. Navy Aeronautic Station, Pensacola, awarded to C. H. TURNER CO., Pensacola, at $37,842. Noted Sept. 30 and Oct. 21.

Ohio, Sidney—Post Office—Bids were received Nov. 8 for post office at Sidney, (a) limestone, (b) sandstone, as follows: Ohio Building and Construction Co., Cincinnati, (a) $50,800, (b) $51,650; E. T. Abbott Construction Co., St. James Bldg., New York, N. Y., (a) $51,900, (b) $53,250; James Devault, Canton, (a) $51,500, (b) $52,470. Noted Oct. 7.

Ohio, Van Wert—Post Office—Bids were received Nov. 10 for U. S. post office at Van Wert, (a) limestone, (b) sandstone, as follows: Original Cabinet Co., Evansville, Ill., (a) $56,429, (b) $56,769; Colonial Construction and Supply Co., Charlottesville, Va., (a) $56,333, (b) $56,973; C. W. Gindele Co., Chicago, Ill., (a) $56,000, (b) $56,250. Noted Oct. 7.

Ind., New Castle—Post Office—Contract for U. S. post office at New Castle awarded to J. S. ROGERS CO., Moorestown, N. J., at $52,999. Noted Sept. 23 and Nov. 4.

Ind., Seymour—Post Office—Contract for U. S. post office at Seymour awarded to CALLAHAN-MANDL CO., Chicago, Ill., at $47,700. Noted Sept. 23 and Nov. 4.

Wis., Merrill—Post Office—Contract for U. S. post office at Merrill awarded to JOHN LAURITZEN, Fergus Falls, Minn., at $53,900. Noted Sept. 30 and Nov. 11.

Wyo., Powell—Canal—Contracts for constructing first unit, Frannie Division, Shoshone Project, awarded as follows:

Schedules 1 and 3 to THREET BROS. & JOLLEY, Lowell, at $78,760; schedule 2 to R. M. LYNN, Lovell, at $27,076. Noted Sept. 23 and Oct. 28.

Mo., Kirksville—Post Office—Contract for extending and remodeling U. S. post office at Kirksville awarded to CHARLES WEITZ SONS, Des Moines, Iowa, at $25,213. Noted Sept. 23 and Nov. 4.

Tex., New Braunfels—Post Office—Bids were received Nov. 5 for U. S. post office at New Braunfels as follows: George W. Stiles Construction Co., Chicago, Ill., $41,750; Algernon Blair, Montgomery, Ala., $42,315; Weston & Kroeger, San Antonio, $40,949. Noted Sept. 30.

Okla., Ft. Sill—Heating Plants—Contract for steam heating plants at Ft. Sill awarded to F. B. HANNAN, Lawton, at $11,475. Noted Oct. 21.

Colo., Montrose—Canal Work—Contracts for about 11 miles of Ironstone Canal, Uncompahgre Valley Project, awarded as follows: Schedules 1 and 2 to MENDENHALL, BIRD & CO., Springfield, Utah, at $30,006; schedules 3, 4 and 5 to C. B. SHERWOOD, Rockford, Colo., at $16,681. Noted Sept. 30 and Nov. 4.

CANALS, DITCHES AND IRRIGATION

Proposed Work

Mass., Boston—(Official)—Dredging—Bids will be received until Nov. 24 by Directors of Port of Boston, 40 Central St., for dredging and filling East Boston, about 1,500,000 cu.d. (See adv.)

R. I., Providence—Drainage—Frederick V. Waterman estimates cost of drainage swamp land adjacent to Broadway from Ten Mile River on north to Watchemoket Cove on south at $121,148.

Tenn., Lexington—Canal—Henderson County Commissioners will construct Cane Creek Drainage Canal from Lexington and Scotts Rd. to Beech River, 5½ miles. Estimated cost, $11,825.

Ind., Winamac—Ditch—Bids will be received until Nov. 20 by C. E. Paul, Constr. Com., for Lutcher Thompson Ditch, Marion Land Co. Ditch Nos. 2 and 4.

Wis., Grandview—Reclamation—Company being formed for drainage project to reclaim 20,000 acres of land. D. M. Macy, Washburn, interested.

Minn., Windom—Ditches—Bids will be received until 1:30 p.m., Nov. 19, by S. A. Brown, County Audr., for Judicial Ditch Nos. 20, 21 and 22. Estimated cost, $23,000, $15,500 and $6,900 respectively.

Kan., Junction City—Ditch—County Commissioners plan to construct two-mile ditch to drain land along Republican River between Junction City and Aliga.

Mo., Belleville—City Council and Civic Organizations Committee will organize drainage district to improve Richland Creek in Belleville.

Ark., Marion—Drainage—Willis E. Ayres, Memphis, Tenn., preparing plans for draining 20,000 acres for Drainage District No. 8.

Tex., Ennis—Drainage—Bids will be received about Dec. 15 by Ellis County Levee Improvement District No. 2 for reclaiming 12,000 acres on Trinity River. Estimated cost, $121,000. Noted Sept. 30.

Tex., Ft. Stockton—Irrigation—El Sinore Catile Co. plans to build four pumping plants and canal system in Pecos County to irrigate 6,000 acres of land.

Tex., Orange—Dredging—Bids will be received until Nov. 30 by E. U. Henry, City Engr., for dredging slip 3,000 ft. long.

Idaho, Boise—State Land Board approved plans of Thayer & Moore, Engr., Kansas City, Mo., to irrigate 30,000 acres in vicinity of Little River near Boise.

Idaho, Montour—Tunnel—Bids will be received until Nov. 29 by H. Taylor, Secy., Emmett Irrigation District, for concrete tunnel.

Wash., North Yakima—Irrigation—C. E. Udell, Secy. Com., plans to improve canal and irrigation system by installing ¾ mi. of flume, relocate and improve portions of canal. Estimated cost, $35,000. H. A. Marble, Engr.

Ore., Astoria—Dredging—A. Walsh, Engr. Port of Astoria, estimates cost of dredging channel in Skipnon River at $40,000 for 6-ft. channel and $60,000 for 15-ft. channel.

Calif., Doyle—Irrigation—Southern Leffen Irrigation District retained William L. Wales, Engr., Woodland, to prepare plans for irrigation district in Honey Lake Valley.

Calif., Los Angeles—Irrigation—Los Angeles County Water District No. 3 approved half of $2,606,000 bond issue for irrigation of 77,000 acres in San Fernando Valley recently annexed to Los Angeles. Noted Nov. 11.

Calif., San Joaquin—Reservoir—Bids will soon be received by Directors of South San Joaquin Irrigation District for purchase of $450,000 bonds for Woodward Reservoir.

Calif., Thermalito—Irrigation—Thermalito Irrigation District organized to irrigate 6,000 acres with water from West Branch of Feather River. F. A. Egan, R. S. Powers and Scott Lawton interested.

Bids In and Contracts Awarded

N. Y., Albany—(Official)—Barge Canal Terminal—Contract awarded to PATRICK W. MULDERRY, Albany, at $33,704, for barge-canal terminal, Contract No. 2-P. Noted Oct. 28 under Plattsburg, N. Y.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—Bids were received by Department of Docks and Ferries for dredging in Borough of Manhattan under Contract No. 1482 as follows: Morris & Cummings Dredging Co., at $0.12½ per cu.yd.; Henry Du Bois Sons Co., at $0.1295 per cu.yd.; Coastwise Dredging Co., at $0.128 per cu.yd.

Fla., Tampa—Canal—Florida Beach Development Co. awarded contract to HILLSBOROUGH DREDGING CO., Tampa, for 2,300-ft. boat canal through Haven Beach property on Sand Key to extend from Government Channel in Boca Ceiga Bay.

La., Abbeville—Drainage—Youngs Coulee Drainage District of Vermilion Parish awarded contract to WARREN CONSTRUCTION CO., Lake Charles, for 250,000 cu.yd. drainage canal. Estimated cost, $25,000.

Minn., Blue Earth—Ditches—Contracts for ditches awarded as follows: Ditch No. 35, NELS STOUGARD & EDWARD NELSON, Wells, at $8,740; Ditch No. 36, ELMORE CEMENT AND TILE CO., Elmore, at $18,370; Ditch No. 38, ABSOLM GUDAH, Bricelyn, at $9,700.

Minn., Roseau—(Official)—Ditch—Contract awarded to E. G. BRANDENBURG CONSTRUCTION CO., Minneapolis, for excavating Judicial Ditch No. 62. Noted Oct. 7.

Ark., Marion—Drainage—Contract for Drainage District No. 6 awarded to CANAL CONSTRUCTION CO., Memphis, Tenn., at $130,000.

Tex., Edna—Drainage—All bids received Oct. 28 by A. E. Landin, Chn. Jackson County Drainage District No. 8 rejected as being too high. Noted Oct. 14.

Calif., Modesto—Canal Work—Bids were received for constructing concrete facing and curtain wall for Dam No. 1 as follows: Peart Bros., Oakland, $72,800; Contra Costa Construction Co., San Francisco, $75,000; Tibbitts-Pacific Co., San Francisco, $77,770. Noted Sept. 23.

Calif., Oakdale—Syphon—Board of Directors of Oakdale Irrigation District awarded contract to LARSEN BROS., Turlock, Calif., at $17,000, for concrete syphon under tracks of Santa Fé Ry.

MISCELLANEOUS

Proposed Work

Mass., Boston—Bulkhead—Bids will be received until Nov. 24 by Commissioners of the Port for bulkhead.

N. Y., Buffalo—(Official)—Hardware—Bids will be received by Col. Franklin W. Ward, Secy., State Bd. of Armory Comrs., Telephone Bldg., Albany, until 4 p.m., Nov. 24, for furnishing and finishing hardware for Armory and Stable for Troop I, First Cavalry, N. G. N. Y. (See adv.)

N. Y., New York—(Borough of Bronx)—Track Installation—Bids will be received until noon, Nov. 23, by Public Service Commission of First District, 154 Nassau St., for track installation on White Plains Rd. and extension of existing subway.

N. Y., New York—(Borough of Manhattan)—Subway—Bids will be received until Nov. 30 by Public Service Commission of First District, 154 Nassau St., for Section No. 2, Route Nos. 19 and 22.

N. Y., New York—(Borough of Manhattan)—Subway—Bids will be received until Dec. 7 for part of Eastern District Subway No. 3, Route No. 8 under East River from Manhattan at 14th St. to North Seventh St., Brooklyn.

N. Y., Olean—Flood Protection—Plans submitted to W. W. Wotherspoon, State Supt. of Pub. Wks., for deepening and straightening Olean Creek from junction with Alleghany River to point 2½ miles up stream and building dikes and retaining walls on bank of creek. Estimated cost, $150,000.

N. Y., Syracuse—Retaining Wall—Intercepting Sewer Board submitted report to Common Council estimating cost of building retaining wall along bank of creek in 14th Ward, at $75,000. Noted Oct. 14.

Penn., Philadelphia—(Official)—Elevated Railway Work—Bids will be received by A. M. Taylor, Dir., Dept. of City Transit, 754 Bourse Bldg., until noon, Dec. 7, for concrete column foundations and piers for about 4,000 lin.ft. of two-track elevated railway in Frankford Ave. from Unity to Dyre St. under Contract No. 502. (See adv.)

Penn., Philadelphia—(Official)—Elevated Railway Work—Bids will be received by A. M. Taylor, Dir., Dept. of City Transit, 754 Bourse Bldg., until noon, Dec. 14, for steel superstructure and appurtenant work for two-track elevated railway in Franford Ave. from Unity to Dyre St., under Contract No. 519. (See adv.)

Fla., Miami—Channel—Plans being prepared for ship channel. Estimated cost, $36,000.

La., Port Allen—Levee—Atchafalaya Basin Levee District will build Cocoa Levee, two section ½ mile apart.

Ky., Louisville—Park Improvements—Commissioners provided in budget $423,800 for additions and improvements to park system. Noted Nov. 11.

Ohio, Cincinnati—Elimination of Grade Crossing—Hamilton County Commissioners and Cincinnati, Hamilton & Dayton Railway contemplate eliminating grade crossing at Springfield Pike. Estimated cost, $70,000.

Ohio, Cincinnati—Park Improvements—Citizens voted $1,250,000 bonds for park and playground improvements. Noted Sept. 16.

Ohio, Cleveland—Comfort Stations—Citizens voted $100,000 bonds for comfort stations. Noted Sept. 30.

Ohio, Cleveland—Elimination of Grade Crossing—Citizens voted $1,600,000 bonds for elimination of grade crossings. Noted Oct. 7.

Ohio, Toledo—Park Improvements—Citizens voted $750,000 bonds for park and boulevard improvements.

Ohio, Wellsville—(Official)—Dikes—We have been advised that bonds for $50,000 for dikes were not voted at November election. The proposition will be taken up later. Noted Oct. 28 and Nov. 11.

Mich., Rock River—(Au Train post office)—Parks—Citizens voted $40,000 for parks.

Ill., West Chicago—Park Improvements—West Chicago Park Commissioners sold $1,000,000 bonds for park improvements.

Minn., Two Harbors—Ore Docks—Bids will soon be received for building concrete ore dock and remodeling Dock No. 6 for Duluth & Iron Range R.R. Co. Estimated cost, $1,635,000. Noted Oct. 21.

Mo., Kansas City—Improving Station Park—City Council will issue $100,000 bonds for improving station park.

Mo., Kansas City—Levee—City plans to build about six miles of levee from Grand Ave. to mouth of Blue River. Estimated cost, $1,500,000.

Ark., Arkansas City—Pipe Line—Company being organized to build oil pipe line from Arkansas City Oil and Gas fields to refinery. Estimated cost, $25,000.

Tex., Aransas Pass—Wharf—Fisheries Co. will build wharf at St. Josephs Island Plant.

Tex., Houston—Park Improvements — City sold $243,750 bonds for park improvements. Noted Oct. 21.

Tex., Orange—Dredging—Bids will be received until Nov. 30 by City Commissioners for dredging slips for wharfs and docks, 750,000 cu.yd. E. U. Henry, City Engr. Noted Nov. 11.

Tex., Port Arthur—Seawall—Revised plans being prepared by J. F. Coleman, Consult. Engr., New Orleans, for seawall. Noted Sept. 30.

Utah, Salt Lake City—Bath House—Citizens contemplate construction of bath house at Warm Springs. Estimated cost, $250,000. H. M. Wells, Comr.

Ariz., Tucson—Subway—Bids will be received until Nov. 27 by C. K. Clarke, City Mgr., for subway under railroad tracks at end of Congress St. Estimated cost, $70,000. L. R. Walker, Tucson, Designing Engr. Noted Oct. 14.

Ore., Portland—Automatic Sprinklers — Bids will be received until 4 p.m., Dec. 2, by R. H. Thomas, School Clk., for installing automatic sprinkler equipment in various schools.

Calif., Los Angeles—Subway—Pacific Electric Railway will rearrange tracks at Hill St. Station preliminary to building subway under Olive St., west of station, about six miles. Estimated cost rearranging tracks, $40,000, subway, $12,000,000.

Que., Montreal—Park Improvement—Council of Maisonneuve will advance Park Commission $25,000 for preliminary work in improving park.

MISCELLANEOUS

Bids In and Contracts Awarded

Mass., Boston—Tunnel—Bids were received Nov. 11 for section of tunnel under Dorchester Ave. from West Fourth St. to Old Colony Ave. from: T. A. Gillespie & Co., New York, N. Y., at $396,833, and Coleman Bros., Chelsea, at $382,364. Noted Sept. 30 and Oct. 28.

Mass., Winthrop—Seawall—All bids received Oct. 20 by Harbor and Land Commission for seawall rejected. Noted Oct. 28.

N. Y., New York—(Borough of Brooklyn)—Steel—New York Municipal Railway Corporation awarded contract for 60,000 tons structural steel for new lines and terminals and reconstructing existing lines and terminals to AMERICAN BRIDGE CO. Estimated cost, $2,274,700. Noted Oct. 21.

N. Y., New York—(Borough of Manhattan)—(Official)—Park Improvement—Contract for improving Isham Park awarded to DELSON CONTRACTING CO., at $11,121. Noted Oct. 28.

N. Y., New York—(Borough of Queens)—(Official)—Tracks—Bids were received Nov. 12 for installation of tracks for a portion of Steinway Tunnel Rapid Transit Railroad as follows: Thomas Crimmins Contracting Co., $204,898; George F. Bennett, $206,001; Degnon Contracting Co., $233,619. Noted Nov. 4.

N. Y., New York—(Borough of Queens)—Elevated Railway—New York Municipal Railway Corporation awarded contract to CONNORS BROS. CO., INC., at $726,158 for Second Ave. Section of new elevated railroad including steel work between Walnut St. and Cliffside Ave. Noted Oct. 21.

N. Y., New York—(Borough of Queens)—Tracks — New York Municipal Railway Corporation awarded contract to CHARLES A. MYERS CONSTRUCTION CO., INC., at $17,123 for grading, removing and shifting tracks, laying new tracks for construction work and improving Freshpond Yards.

Miss., Pascagoula—Seawall—Jackson County Commissioners awarded contract to HANCOCK, HARBIN & HANCOCK, Mobile, Ala., for 5,000-ft. seawall.

La., Natchitoches—Dams—Natchitoches Parish Police Jury awarded contract to N. TANSEY, Shreveport, at $19,775 for two dams across Canal River.

Ohio, Cleveland—Subway—Cleveland, Akron and Canton Terminal R.R. awarded contract to FOUNDATION CO., Woolworth Bldg., New York, N. Y., at about $15,000,000 for subway, freight docks and terminal.

Ohio, Toledo—Steamer—Contract for 600-ft. steamer for Great Lakes Steamship Co. awarded to TOLEDO SHIPBUILDING CO., Toledo, at $450,000.

Ill., Benton—Levee—Contract awarded to J. W. CAMPBELL, Oaktown, Ind., at $0.60 per cu.yd., for levee repair along Ohio River in Gallatin County.

Ill., Cairo—(Official)—Levee Repairs—Contract for levee repairs in Cairo awarded to D. F. McCARTHY COAL CO., Cairo, at $23,209. Noted Nov. 4.

Minn., Duluth—Dock—M. A. Hanna Coal Co. awarded contract to BARNETT & RECORD CO., Duluth, for dock. Estimated cost, $90,000.

Mo., New Madrid—Levee Work—Contract for levee work for St. John Levee and Drainage District of Missouri awarded to CHARLESTON CONSTRUCTION CO. Estimated cost, $50,000. Noted Oct. 28.

Ark., Texarkana—Levees—Contract for repairing breaks and cave-ins on levees around Red River awarded to E. P. CONSTANT, Alexandria, La., by Miller County Levee District No. 2 and Bowie County Levee and Drainage District No. 1. Estimated cost, $80,000.

Calif., Oakland—Filling—City Council awarded contract to CHARLES E. COTTON, Oakland, for filling in land east of Southern Pacific tracks in West Oakland, about 50,000 cu.yd. Estimated cost, $14,000.

B. C., Vancouver—Seawall—Contract for seawall which is part of Canadian Northern Railway Co. false creek terminal scheme awarded to A. G. GREELMAN & CO., Vancouver. Noted Sept. 16.

Porto Rico, San Juan—Bulkhead Shed—Contract for one-story steel frame bulkhead shed, 841-ft. long awarded to JESUS BENITEZ, San Juan, at $72,975. Noted Nov. 11.

BUILDINGS

Other items relative to Building Construction will be found under the following heads: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Proposed Work

Vt., Montpelier—Bids will be received about Nov. 25 by Desmore & Le Clear, Arch., 88 Broad St., Boston, Mass., for two-story, 90x150-ft. court house and library for state. Estimated cost, $125,000. Noted Oct. 14.

Mass., Adams—Bids will soon be received for Drury High School. Estimated cost, $190,000. E. C. and G. C. Gardner, 33 Lyman St., Springfield, Arch.

Mass., Boston—Plans being prepared by Samuel D. Kelley, 209 Washington St., for 11-story office building at Tremont St. and Court Sq. for Kimball Building Trust.

Mass., Boston—Plans being prepared by Silverman Engineering Co., 43 Tremont St., for theater, bowling alleys and garage for Myer Dana. Estimated cost, $400,000.

Mass., Boston—Preliminary plans being prepared by Philip S. Avery, Arch., 120 Tremont St., for three-story home for Union Rescue Mission.

Mass., Lowell—Plans being prepared for church for St. Louis Parish of West Centralville. Walter F. Fountaine, Woonsocket, R. I., Arch.

R. I., Barrington—Plans being prepared by Martin & Hall, Arch., Union Trust Bldg., Providence, for school.

R. I., Providence—Bids will be received until Nov. 22 by William C. Pelkey, Clk., for school building at Cole and Luzon Ave. Estimated cost, $150,000. Stone, Carpenter & Sheldon, 802 Industrial Trust Bldg., Arch. Noted Aug. 26.

R. I., Providence—Plans being prepared for grammer school for City of Providence. William R. Walker & Son, Providence, Arch.

N. Y., Binghamton—Board of Managers of Binghamton State Hospital will ask next legislature for appropriation of $200,000 for new buildings and improvements to present institution.

N. Y., Dunkirk—Supervisors of Chautauqua County will build new tuberculosis hospital. Estimated cost, $150,000.

N. Y., Dunkirk—Bids will soon be received for building for Salvation Army, 122 West 14th St., New York, N. Y. Estimated cost, $100,000.

N. Y., Medina—Plans being prepared by W. S. Brickell-Swain Co., Arch., 46 Chapin Bldg., Buffalo, N. Y., for high school for Board of Education. Estimated cost, $80,000.

N. Y., New York—(Borough of Bronx)—(Official)—Plans being prepared for alterations to public school at Lorillard Pl. and 189th St. Estimated cost, $140,000.

N. Y., New York—(Borough of Bronx)—(Official)—Plans being prepared by G. F. Pelham, Arch., 30 East 42d St., New York, for theater on Webster Ave. between 195th and 196th St. for Bedford Park Amusement Co. Estimated cost, $175,000.

N. Y., Rochester—Board of Education will build school at Post and Congress Ave.

N. J., Jersey City—Hudson County Hebrew Orphans' Home will build an orphanage. Estimated cost, $50,000.

N. J., Jersey City—City Commission will soon receive bids for addition to City Hospital. Estimated cost, $350,000. John T. Rowland, Jersey City, Arch.

N. J., Newark—Contract for completing 12-story hotel for Philip N. Jackson Estate awarded to GEORGE A. FULLER CO., 111 Broadway, New York, N. Y.

N. J., Summit—Common Council purchased site on Maple St. for high school building.

Penn., Easton—Preliminary plans being prepared by William M. Michler, Arch., Drake Bldg., for three-story hospital. Estimated cost, $125,000. Dr. Tonkin, Chn. Hospital Comn.

Penn., New Kensington—Plans prepared by Thomas Hannah, Arch., for church for Edgewood Presbyterian Congregation. Estimated cost, $80,000.

Penn., Williamsport—Plans being prepared by Mowbray & Uffinger, Arch., 56 Liberty St., New York, N. Y., for one-story bank building for West Branch National Bank. Estimated cost, $150,000.

Del., Farnhurst—Bids will soon be received by State of Delaware, Dover, for three-story addition to hospital at Farnhurst. Estimated cost, $60,000. L. W. Crawford, Odd Fellows Temple, Wilmington, Arch.

Del., Wilmington—Plans being prepared for 12-story addition to office building of Dupont Powder Co.

Md., Baltimore—Bids will be received about Dec. 1 by Highlandtown Branch of Y. W. C. A. for three-story building on Clinton St. near Eastern Ave. Estimated cost, $40,000.

Md., Baltimore—Revised plans being prepared by Joseph Evans Sperry, 409 Calvert Bldg., for six-story, 69x141-ft. Y. M. C. A. building at Park Ave. and Franklin St. Estimated cost, $200,000.

D. C., Washington—Bids will soon be received for preparatory school for Georgetown University. Estimated cost, $400,000. Marsh & Peter, 520 13th St. N. W., Arch. Noted Nov. 11.

D. C., Washington—Plans being prepared by A. M. Schneider, Arch., 1430 K St., N. W., for seven-story, 121x148-ft. hotel for Harry Wardman. Estimated cost, $500,000.

W. Va., Huntington—Pocahontas-Winifrede Coal Co., First National Bank Bldg., will build office building at 814 Sixth Ave. in spring.

W. Va., Wheeling—Board of Education of Richland District will hold election to vote on $85,000 bonds for central school in Center Warwood.

N. C., Durham—Plans being prepared by Milburn, Heister & Co., Union Savings Bank Bldg., Washington, D. C., for four-story, 70x150-ft. courthouse and jail for County Commissioners. Estimated cost, $250,000.

N. C., Durham—Election will be held Dec. 14 to vote on $75,000 bonds for two schools on Moorehead school site. George W. Watts, Chn. School Trustees. Noted Oct. 28.

Ga., Albany—Plans being prepared by A. Ten Eyck Brown, 607 Forsythe Bldg., for seven-story, 43x90-ft. bank and office building at Broad St. and Courthouse Ave. for First National Bank. Estimated cost, $100,000.

Ga., Atlanta—Fulton County Board of Education will build grade school on Peachtree Battle Ave. Virlyn B. Moore, Chn. of Com.

Ga., Lagrange—H. P. Park in charge of Park Hotel, contemplates organizing a company to build hotel and improve present Park Hotel. Estimated cost, $40,000.

Ga., Macon—Trustees of Masonic Home will enlarge building. Estimated cost, $40,000. W. L. Collier, Supt.

Fla., De Land—Volusia County Commissioners plan to build high school. Estimated cost, $40,000.

Fla., Live Oak—Bids will be received until Dec. 14 by Suwannee County Board of Education for school. Mark & Shaftall, 210 Clark Bldg., Jacksonville, Arch.

Fla., Miami—Plans being prepared by Frohlin & De Garmo, Arch., for eight-story, 40x100-ft. hotel for E. C. McAllister. Estimated cost, $300,000.

Fla., Okeechobee—Election will be held Dec. 1 by Special Tax District No. 6 to vote on $40,000 for school. W. L. Foote, Trustee. Noted Oct. 28.

Miss., Columbus—Election will soon be held to vote on $50,000 bonds for high school. Noted Nov. 4.

Miss., Meridian—Board of County Supervisors contemplate agricultural high school. Estimated cost, $100,000.

La., New Orleans—Knights of Maccabees plan to construct a building.

La., New Orleans—Bids will be received until Nov. 23 by Department of Public Finances for isolation hospital.

Tenn., Nashville—Ward Belmont College for Women will build new building.

Tenn., Nashville—Committee appointed by Governor to select site on which to build Tennessee Tuberculosis Hospital. About $100,000 available for this purpose.

Ky., Danville—Election will soon be held to vote on $50,000 bonds for purchase of ground and building of school.

Ky., Hopkinsville—Citizens voted $100,000 bonds for schools. Noted Oct. 21.

Ohio, Akron—Bids will soon be received by Henry Murphy, Arch., 523 Second National Bldg., St. Louis, Mo., for four-story 60x115-ft. club house. Estimated cost, $75,000.

Ohio, Akron—Plans prepared for seven-story, 70x70-ft. bank and office building for Peoples Saving and Trust Co. Fichter & Brooker, 527 Second National Bank Bldg., Arch. Estimated cost, $150,000.

Ohio, Athens—Bids will soon be received by Christian Church for one-story, 40x65-ft. church and Sunday school. Estimated cost, $60,000. E. E. Pruitt, Hartman Bldg., Columbus, Arch.

Ohio, Cincinnati—Plans being prepared by E. H. Dornette, Arch., Pickering Bldg., Cincinnati, for four-story, 35x80-ft. hospital for German Deaconess Hospital Association. Estimated cost, $40,000.

Ohio, Circleville—Plans being prepared by R. Z. Dawson, Arch., Columbus, for grade and high school building for Washington Township, Pickaway County.

Ohio, Cleveland—Citizens voted bonds for three-story union passenger station for New York Central and Pennsylvania R.R. Co. Graham, Burnham & Co., Chicago, Ill., Arch. Noted Oct. 14.

Ohio, Cleveland—Plans being prepared by W. H. Nicklos, Arch., 1900 Euclid Ave., Cleveland, for two-story addition to McGregor Memorial Home for Aged at Terrace and Lee Rd.

Ohio, Cleveland—Plans prepared by F. C. Warner, Arch., 767 Hippodrome Bldg., for six-story, 48x240-ft. hotel for Euclid 66th St. Co. Estimated cost, $200,000.

Ohio, Cleveland—Livingston Taylor will build four-story hotel on East 18th St. Estimated cost, $100,000.

Ohio, Cleveland—Cleveland Presbyterian Union contemplates building new churches. Estimated cost, $100,000.

Ohio, Cleveland—Western Reserve University plans to build gymnasium. Estimated cost, $150,000. C. W. Hopkinson, 900 Rose Bldg., Arch.

Ohio, Columbus—Plans being prepared recreation building for City of Columbus. Estimated cost, $40,000.

Ohio, Edgefield—Bids will be received until Dec. 3 by Board of Education for school building. Herman J. Wagner, 532 Renkert Bldg., Canton, Ohio, Arch.

Ohio, Galion—Plans being prepared by W. T. Mills Co., Arch., 49 North High St., Columbus, for one- and two-story church for First M. E. Church. Estimated cost, $60,000.

Ohio, Gallipolis—Plans being prepared for three-story, 68x80x40-ft. hospital by F. L. Packard, Arch., 1212 New Hayden Bldg., Columbus, for Charles E. Holzer.

Ohio, Lakewood—Plans being prepared for three-story high school for Board of Education. Charles W. Hopkinson, Arch., 900 Rose Bldg., Cleveland. Estimated cost, $200,000.

Ohio, Mansfield—Emergency Hospital Association will build hospital and nurses' home. Estimated cost, $80,000.

Ohio, Massillon—Plans being prepared for cottage for Massillon State Hospital. Estimated cost, $70,000.

Ohio, Portsmouth—Preliminary plans being prepared for the new Fourth St. Methodist Church. Estimated cost, $40,000. Louis Clauson, Member of Bldg. Com.

Ohio, Reading—Plans being prepared by Garber & Woodward, Arch., Union Central Bldg., Cincinnati, for new school. Estimated cost, $60,000.

Ohio, Toledo—Citizens voted $1,000,000 bonds for school improvements. Noted Oct. 28.

Ohio, Uhrichsville—W. H. Nicklas, Arch., 1900 Euclid Bldg., Cleveland, Ohio, will prepare plans for one-story, 66x75-ft. church for First Presbyterian Church. Estimated cost, $40,000.

Ohio, West Manchester—Bids will be received until noon, Dec. 4, by Board of Education for grade and high school.

Ind., Auburn—Board of Education contemplates building high school. Estimated cost, $50,000. M. Boland, Pres. Bd. of Education.

Ind., Columbus—Bartholomew County Trustees will build new hospital. Estimated cost, $100,000.

Ind., Fowler—Bids will be received early in spring for two-story grade and high school for J. Sheedy, Trustee. J. F. Alexander & Son, 105 North Fourth St., La Fayette, Ind., Arch. Estimated cost, $50,000.

Ind., Hammond—Plans being prepared by Albert A. Schwartz, Arch., 601 Straus Bldg., Chicago, Ill., for one-story, 80x100-ft. building for H. E. Moriarity and H. J. Kavanaugh. Estimated cost, $75,000.

Ind., Indianapolis—Preliminary plans being prepared by Rubush & Hunter, Arch., 428 American Central Life Bldg., for two-story moving picture theater for Samuel L. Cohn, San Francisco, Calif., and Morris Cohn, Denver, Colo. Estimated cost, $150,000.

Ind., Peru—City will build two-story city hall. Estimated cost, $75,000.

Ind., Richmond—Board of Education plans to build new high school. Estimated cost, $150,000. Sarah A. Hill, Secy.

Ind., South Bend—County Club will build two-story club house in spring. Estimated cost, $50,000.

Ind., Terre Haute—Indiana State Normal School will build science building. Estimated cost, $100,000.

Ind., Warsaw—Preliminary plans being prepared by S. A. Craig, Arch., Huntington, Ind., for two-story grade school. Estimated cost, $50,000. Wilbur Maish, Pres. Bd. of Education.

Mich., Grand Rapids—Bids will soon be received for buildings for Calvin College. Williamson & Crow, Arch. Estimated cost, $125,000. Noted Oct. 28.

Mich., Jackson—Citizens voted to issue $385,000 bonds for high school. Noted Oct. 21.

Mich., Lansing—Plans being prepared by J. N. Churchill, Arch., 514 Oakland Bldg., for two-story, 72x112-ft. school for Board of Education.

Mich., Saginaw—Eagles' Temple plans to build three-story lodge building. Estimated cost, $60,000. L. M. Lempke, 210 Franklin St., interested.

Mich., St. Johns—Bids being received by J. N. Churchill, Arch., 514 Oakland Bldg., Lansing, for two-story, 50x100-ft. theater and lodge building for Odd Fellows Temple.

Ill., Bloomington—F. Wolkau, Sr., 920 Broadway, contemplates building theater.

Ill., Champaign—F. K. Robeson plans to build five-story office building.

Ill., Chicago—Plans being prepared for three-story assembly hall addition to Beaubien School for Board of Education. A. F. Hussander, Arch.

Ill., Winnetka—Plans being prepared by Carl W. Westerland, Arch., 111 West Washington St., Chicago, for two-story, 60x125-ft. theater and store building for Gustav Lindahl. Estimated cost, $45,000.

Wis., De Pere—Bids will be received about Dec. 1 for superstructure of three-story, 64x180-ft. building for St. Orbert's College. Estimated cost, $100,000. William Reynolds, 109 11th St., Green Bay, Wis., Arch. Noted Sept. 16.

Wis., Madison—Cosmoramic Amusement Co. will build theater. Estimated cost, $125,00. J. W. Bidwell interested.

Iowa, Alta—Election will soon be held to vote on bonds for building high school. Smith & Keffer, Arch., Des Moines. Noted Nov. 4.

Iowa, Ames—Bids will soon be received for three-story, 44x115-ft. hospital for city. Estimated cost, $60,000. A. B. Maxwell, City Clk.

Iowa, Des Moines—Board of Education will build seven-story grade school. Estimated cost, $100,000.

Iowa, Dubuque—Holy Ghost Church approved plans prepared by Guido Beck, Arch., for 60x160-ft. church. Estimated cost, $50,000.

Iowa, Estherville—F. H. Graaf plans to build theater. Estimated cost, $50,000.

Iowa, Ft. Dodge—Hope Martin and A. M. Krackman plan to build six-story office and store building. Estimated cost, $40,000.

Iowa, Iowa Falls—Capitalists of Iowa Falls plan hotel on site of Old Central House. Estimated cost, $40,000.

Iowa, Knoxville—Board of Education will build high school. Estimated cost, $75,000.

Iowa, Mason City—Western Electric Telephone Co. contemplates erecting business building. Estimated cost, $150,000.

Iowa, Mason City—School Board plans to build high school. Estimated cost, $200,000.

Iowa, Rowley—Bids will be received until 2 p.m., Nov. 22, by P. C. Thedens, Pres. of Consolidated Independent School District, for school.

Iowa, Waterloo—Bids will be received about Dec. 1 for general contract for three-story, 48x136-ft. parochial school for Sacred Heart Church congregation. Estimated cost, $50,000. Noted Oct. 7.

Minn., Appleton—Plans being prepared by Edwins & Edwins, Arch., 911 North West Bldg., Minneapolis, for two-story, 70x150-ft. high school. Estimated cost, $60,000. O. B. Carlson, Secy. Bd. of Education.

Minn., Bagley—Independent School District No. 2 voted $51,000 bonds for high school building.

Minn., Minneapolis—Plans being prepared by Hewitt & Brown, Arch., for six-story bank and office building for Metropolitan National Bank.

Minn., Minneapolis—Plans being considered by Board of Directors of Y. M. C. A. for system of buildings consisting of central building and five branches. Estimated cost, $1,000,000 E. L. Carpenter, Pres.

Minn., Minneapolis—W. D. Riley, Pastor of First Baptist Church, interested in a plan to build a missionary school at 11th St. and Harmon Pl., to be known as Northwestern Bible and Missionary School. Estimated cost, $750,000.

Minn., Minneapolis—Plans being prepared for four-story, 45x120-ft. theater and office building by James A. Burner, Arch., 845 McKnight Bldg. Estimated cost, $40,000.

Minn., Ortonville—Bids will soon be received for two-story school for Board of Education. Estimated cost, $55,000. Robert Hunter, Clk. Bd. of Education.

Minn., Rosemount—School Board will build school. Estimated cost, $40,000.

Minn., St. Paul—Plans being prepared by A. H. Stem, Arch., 601 Endicott Bldg., for 10-story club and office building for St. Paul Athletic Club. Estimated cost, $500,000.

Minn., St. Paul—Commercial Street Bank will build two-story bank building.

Minn., Stillwater—Plans are being prepared by C. H. Johnson, Arch., 715 Capital Bank Bldg., for three-story women's prison for the state of Minnesota.

Minn., Warren—Plans being prepared by Kirby T. Snyder, Arch., 643 Plymouth Bldg., Minneapolis, for two-story high school for Board of Education. Estimated cost, $45,000.

Kan., Emporia—Bids will be received until Nov. 30 by E. T. Hackney, Pres. Bd. of Administration, for four-story, 68x268-ft. administration building for state. Estimated cost, $175,000.

Kan., Topeka—R. Marks, 213 Third St., contemplates the construction of a 10-story office building. Estimated cost, $100,000.

Kan., Winfield—Board of Education plans to build manual training building. Estimated cost, $40,000.

Neb., Chadron—Bids will soon be received for bank and office building for C. F. Coffee and B. F. Putman. James C. Stitt, 13 Norfolk National Bank Bldg., Arch.

Neb., Fremont—A company is being organized to construct a hotel at an estimated cost of $75,000. A. J. Eddy, interested.

Neb., North Platte—Election will be held Dec. 7 to vote on $60,000 bonds for school.

Neb., Omaha—Board of Education will build school in Waveland Park.

N. D., Crosby—Election will be held Dec. 14 to vote on $75,000 bonds for courthouse. W. E. Vadnais, County Audr.

Mont., Judith Gap—H. L. Bills contemplates building hotel. Estimated cost, $250,000.

Mo., Carthage—(Official)—Bonds for $101,390 sold for sanitarium for tuberculosis patients. Noted Oct. 21.

Mo., Columbia—Seventh Day Adventists plan to build college and church. Estimated cost, $50,00. F. L. Limerick, Clinton, Mo., interested.

Mo., Joplin—Board of Education postponed election to vote on $350,000 bonds for schools from Nov. 10 to Nov. 23. J. A. Becker, Pres. School Bd. Noted Oct. 28.

Mo., Kansas City—Plans prepared by Greenebaum & Hardy, Kansas City, for six-story store and hotel building for Acme Realty and Investment Co. Estimated cost, $125,000.

Mo., Kansas City—Bids being received by Smith, Rea & Lovitt, Arch., 602 Finance Bldg., for three-story, 40x108-ft. hotel for J. H. Harris, 901 East Armour Blvd.

Mo., Kansas City—Preliminary plans being prepared for Pythian Temple for Knights of Pythias. Madorie & Birdsall, Arch. Estimated cost, $75,000.

Mo., St. Louis—Metropolitan Opera House Co. of St. Louis contemplates opera house. Estimated cost between $500,000 and $600,000. W. H. McElfatrick & Co., 701 Seventh Ave., New York, N. Y., Arch.

Tex., Austin—Bids will be received until Nov. 24 by W. H. Cullen, Pres. School Bd., for three-story high schohol.

Tex., Ft. Worth—Trustees of Texas Woman's College plan to build dormitory. Estimated cost, $100,000. A. H. Boaz, Pres.

Tex., Sweetwater—Nolan County Commissioners contemplate holding election to vote on $150,000 bonds for courthouse.

Tex., Waco—J. M. Dawson, Pastor First Baptist Church, appointed chairman of committee which plans to build sanitarium. Estimated cost, $100,000.

Tex., Wichita Falls—Plans being prepared by Field & Clarkson, Arch., Wichita Falls, for three-story, 50x100-ft. temple for Masonic Lodge. Estimated cost, $50,000.

Okla., Alva—Board of Education contemplates holding election to vote on $100,000 for high school.

Okla., Muskogee—Oklahoma Baptist Hospital plans to build addition. Estimated cost, $40,000.

Okla., Tulsa—Bids will soon be received for five-story, 50x140-ft. hotel at 509 South Main St., for H. R. Tetchum. Estimated cost, $50,000.

Okla., Tulsa—J. C. Culbertson contemplates building four-story, 100-ft. deep, office building.

Colo., Colorado Springs—Vollmer Bros. will build a business building at Pikes Peak and Nevada Ave. Estimated cost, $50,000.

Colo., Denver—Board of Education plans additions to Garden Pl. School, Emerson School and Myrtle Hill building. Estimated cost, $50,000, $50,000 and $40,000 respectively.

Colo., La Junta—Local business men forming company to build store building. Estimated cost, $40,000.

Colo., Pueblo—Citizens voted to issue $300,000 bonds for new city hall. J. M. Jackson, City Clk. Noted Sept. 23.

Idaho, Caldwell—Grand Lodge of Odd Fellows plans to build lodge building. Estimated cost, $60,000.

Idaho, Gooding—(Official)—Bids will soon be received by G. W. Padgham, Secy., for Methodist College. Estimated cost, $400,000. Noted Oct. 14.

Utah, Salt Lake City—Plans prepared for station for Salt Lake & Ogden Railway and Salt Lake & Utah Railway. Estimated cost, $250,000.

Wash., Seattle—Plans prepared for 12-story building at Third and Cherry St. for James Moses. Estimated cost, $400,000. A. Warren Gould, Arch.

Ore., Astoria—Election will be held Nov. 29 to vote on $100,000 bonds for building new schools and improving old ones.

Ore., Baker—Election will soon be held to vote on $125,000 bonds for high school.

Ore., Portland—County Commissioners considering construction of armory. Estimated cost, $100,000.

Ore., Portland—Tentative plans prepared by Houghtaling & Dougan, Arch., Portland, for three-story temple at 20th and Washington St. for New Labor Temple Association. Estimated cost, $105,000.

Calif., Los Angeles—Plans being prepared by Harold Cross, Arch., 123 South Dillon St., for hospital for Kings Hospital Association. Henry D. Keys, Investment Bldg., interested.

Calif., Sacramento—University of California sold $1,800,000 bonds for four new buildings. Ralph P. Merritt, University Controller.

Ont., Hull—Plans being prepared for church for Sacred Heart Church. Estimated cost, $75,000.

Bids In and Contracts Awarded

Mass., Boston—Contract awarded to J. J. PRINDEVILLE CO. for 11-story building for Fidelity Trust Co. Estimated cost, $350,000.

Mass., Boston—(Roxbury)—Bids were received for addition to High School of Practical Arts, Greenville and Winthrop St., Roxbury, as follows: J. J. Flynn, 319 Washington St., Boston, $56,672; M. B. Niely, 114 Chestnut St., Brookline, $57,200; John Bowen, Roxbury, $59,000. Noted Oct. 28 and Nov. 4.

Mass., Chicopee—Contract for brick school for St. Stanislaus Polish Church awarded to GAGUIER & ANGIERS, Springfield. Estimated cost, $80,000.

Mass., Fall River—Darling Slade Construction Co., at $93,000 submitted lowest bid for remodeling Bay St. Jail. Noted Oct. 7.

Mass., Fall River—Fall River Union Hospital awarded contract for two-story nurses' home to C. F. GUNNIL, 402 South Main St. Estimated cost, $40,000.

Mass., Springfield—Contract for eight-story commercial building at State and Willow St. for Winthrop Building Associates awarded to EDWARD RADDING.

Conn., New Haven—Contract for addition to Cloister Club House on Hillhouse Ave. for Stone Trust Association awarded to SPERRY & TREAT CO. Estimated cost, $63,000.

Conn., Orange—Contract for addition to Washington School awarded to SULLIVAN & McKEOWN, 902 Chapel St., New Haven.

N. Y., New York—(Borough of Brooklyn)—(Official)—The contract for two-story lecture hall and greenhouse extension for Brooklyn Botanical Garden awarded to FRYMIER & HANNA CO., 25 West 45th St., at $140,223. Noted Nov. 11.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for store and office building at 54 Lexington Ave. for B. W. Mayer, 2 West 33d St., awarded to BROWN BROS., INC., 11 East 30th St., New York. Estimated cost, $65,000. Noted Oct. 14.

N. Y., Syracuse—Contract for Delaware School awarded to ONONDAGO BUILDING AND CONSTRUCTION CO., at $202,483.

N. Y., Troy—Contract awarded to C. W. BOWLAND, for freight house for Boston & Maine R.R.

N. J., Wildwood—(Official)—Contract for two-story school awarded to RICHMAND CONSTRUCTION CO., Moorestown, at $64,978. Noted Oct. 28.

Penn., Lebanon—Bids were received Oct. 29 by Board of School Directors for high school from W. H. Fissel & Co., N. Y., at $246,300; Melton Construction Co., at $209,995; Dawson Construction Co., $212,000. Noted Oct. 14.

Penn., Philadelphia—City Club awarded contract to A. RAYMOND RAFF for five-story brick and stone club house at South Broad St.

Penn., Philadelphia—Contract for office building at 16th and Walnut St. awarded to STACY REEVES & SONS, 2011 Market St., Philadelphia. Estimated cost, $400,000. Noted Nov. 4.

Penn., Pittsburgh—E. A. Wehr, Pittsburgh, submitted lowest bid for three-story office building on Butler St. for Atlantic Refining Co. Estimated cost, $100,000. Noted Oct. 14.

Penn., Sayre—Contract awarded to CORNING BUILDING CO. for brick addition to Packer Hospital. Estimated cost, $50,000.

Md., Baltimore—Public Service Building Co. awarded contract to GEORGE A. FULLER CO., Fuller Bldg., New York, N. Y., for steel frame for 20-story office building at Lexington and Liberty St.

Va., Petersburg—Petersburg Investment Co. awarded general contract for hotel to FULTON BRICK WORKS, Richmond, Va.

Va., Richmond—Contract awarded to J. T. NUCKOLS, at $55,000, for police station building at Smith and Marshall St.

Ohio, Akron—General contract awarded to CLEMMER & JOHNSON, Hicksville, for two-story auditorium and armory for State of Ohio. Estimated cost, $150,000.

Ohio, Cincinnati—Contract awarded to M. MARCUS BUILDING CO., for five buildings for Childrens Home. Estimated cost, $100,000.

Ohio, Cincinnati—Board of Control awarded contract for playhouse at Third St. Reservoir Park to WILLIAM MILLER & SON. Estimated cost, $40,000.

Ohio, Cleveland—Contract for church at Cedar Ave. and East 55th St. for St. Andrew's Episcopal Church awarded to EDWARD A. WEHR, Pittsburgh, Penn.

Ohio, Cleveland—Studio Realty Co. awarded contract to FATH CONSTRUCTION CO., Illuminating Bldg., Cleveland, for three-story store and service building. Estimated cost, $60,000. Noted Oct. 21.

Ohio, Cleveland—See item under "Miscellaneous."

Ohio, Dayton—(Official)—Contract for building for B. P. O. E. Lodge No. 56 awarded to STRUCTURAL CONCRETE CO., Dayton, at $90,000. Noted Sept. 23.

Ohio, East Cleveland—Board of Education awarded contract for two-story, 75x100-ft. school to CLEVELAND FIREPROOF CONSTRUCTION CO., 650 Rockefeller Bldg. Estimated cost, $60,000.

Ohio, Sidney—Ohio Building and Construction Co., Cincinnati, submitted lowest bid for public library. Estimated cost, $50,000.

Ind., Dayton—W. H. Warren awarded general contract for two-story high and grade school to J. WESLEY REED, Hammond. Estimated cost, $40,000.

Ind., Terre Haute—Masonic Temple Association awarded contract to A. W. STOOLMAN, Champaign, Ill., for three-story building. Estimated cost, $100,000. Noted Nov. 11.

Mich., Muskegon—Occidental Hotel Co. awarded contract to BLAIS & JENSON, Muskegon, for four-story, 42x85-ft. hotel. Estimated cost, $40,000. Noted Aug. 12.

Ill., Cicero—Cicero Stickney High School District awarded general contract to SCHMIDT BROS. CONSTRUCTION CO., 105 North Clark St., Chicago, for addition to Sterling Morton School.

Ill., Decatur—Contract for structural steel and iron for five-story, 120x152-ft. theater and hotel awarded to DECATUR BRIDGE AND IRON CO.

Ill., Jacksonville—Contract will soon be awarded for two-story addition to hospital for Norbury Sanitarium. Estimated cost, $40,000.

Ill., Monmouth—Contract awarded to ENGLISH BROS. Champaign, for fireproof city hall. Estimated cost, $50,000.

Wis., Lake Geneva—Lake Geneva County Club awarded contract for one-story club house to REINET & MALEH, Lake Geneva. Estimated cost, $45,000.

Wis., Milwaukee—Contract awarded to JOHN H. PARKER CO., 315 Fourth Ave., New York, N. Y., for five-story, 120x200-ft. hotel for Charles Sommers and associates.

Iowa, Spencer—Contract for courthouse in Green County awarded to ROWLES CONSTRUCTION CO., at $168,000. Noted Oct. 14.

Minn., St. Cloud—General contract awarded to JOHNSON CONSTRUCTION CO., Minneapolis, at $112,112 for high school.

Kan., Kansas City—G. H. Nettleton Home awarded general contract to G. G. BROWN & SON, 1300 Rialto Bldg., for two-story, 142x154-ft. home for aged women. Estimated cost, $100,000.

Kan., Salina—Contract awarded to J. O. BROWN, at $61,539 for school. Noted Oct. 21.

Tex., Beaumont—Contract for constructing building for South Park School awarded to R. J. McBRIDE. Estimated cost, $50,000.

Tex., Denton—Contract for two additions to College of Industrial Arts awarded to GILSONITE CONSTRUCTION CO., St. Louis, Mo., at $78,000.

Tex., Houston—Contract for 10-story, 50x158-ft. office building at Main and Rusk St. for Gulf Refining Co. awarded to AMERICAN CONSTRUCTION CO., Houston. Estimated cost, $600,000.

Okla., Norman—University of Oklahoma awarded general contract to HOLMBEE CONSTRUCTION CO., 311 Majestic Bldg., for four-story, 60x120-ft. science hall. Noted Oct. 7.

Calif., San Francisco—California Street Realty Co. awarded contract for three-story office building at California and Davis St. to JAMES H. HJUL, at $175,000.

The Fargo Mfg. Co., Inc., has opened new offices at 52 Vanderbilt Ave., New York City. The factory and general office will be at Poughkeepsie, N. Y., as heretofore.

The Cleveland Galvanizing Works Co., Cleveland, Ohio, recently acquired 19 parcels of land adjacent to its present location which will permit the company to greatly enlarge its present plant and output, as soon as some leases expire.

DORCHESTER TUNNEL, BOSTON, MASS.

Section G

Bids were received Nov. 11 by the Boston Transit Commission for constructing Section G of the Dorchester Tunnel from (A) T. A. Gillespie Co., 50 Church St., New York, N. Y.; (B) Bruno & Petitti, Boston; (C) Low B. Cleveland, Watertown, N. Y.; (D) Coleman Bros., Chelsea, Mass.; (E) James J. Coughlin Co., Boston; (F) Hugh Nawn Construction Co., Roxbury; (G) P. McGovern & Co., Boston. The item bids were as follows:

	A	B	C	D	E	F	G
224 lin.ft. excavation between station 72 + 00 and station 74 + 24	$207.40	$260.00	$300.00	$200.00	$309.00	$229.00	$363.75
456 lin.ft. excavation between station 74 + 24 and station 78 + 80	153.55	120.00	250.00	155.00	235.00	177.75	271.60
320 lin.ft. excavation between station 78 + 80 and station 82 + 00	141.30	130.00	250.00	130.00	211.00	206.46	252.20
280 lin.ft. excavation between station 82 + 00 and station 84 + 80	145.90	167.00	200.00	139.00	220.00	165.20	252.20
620 lin.ft. of intercepting sewer	30.00	40.00	50.00	30.00	33.00	21.40	40.40
All concrete for 224 lin.ft. of tunnel between station 72 + 00 and station 74 + 24	169.40	195.00	160.00	168.00	175.00	177.14	202.00
All concrete for 456 lin.ft. of tunnel between station 74 + 24 and station 78 + 80	88.95	85.00	110.00	87.00	96.00	98.89	95.50
All concrete for 320 lin.ft. of tunnel between station 78 + 80 and station 82 + 00	77.75	81.00	100.00	81.00	85.00	80.07	95.50
All concrete for 280 lin.ft. of tunnel between station 82 + 00 and station 84 + 80	94.40	115.00	90.00	90.00	102.00	102.00	112.50
10 cu.yd. cinder concrete	5.00	8.00	8.00	5.00	10.00	8.00	7.00
150 cu.yd. brick masonry made with Portland cement mortar	15.00	16.00	18.00	16.00	18.00	18.00	20.00
750 lin.ft. 6 to 12-in. vitrified pipe, for permanent invert drain	.90	.75	1.00	.40	.50	.50	.50
1,750 lin.ft. 6 to 15-in. vitrified pipe, for house connections, etc.	.90	.75	1.00	.50	1.00	.75	.75
1,250 lin.ft. 18 to 30-in. vitrified pipe, for sewers	2.00	1.25	2.00	.90	1.00	1.00	2.00
900 tons reinforcing rods, etc., weighing less than 6 lb. per lin.ft. per ton of 2,000 lb.	8.50	10.00	10.00	8.00	7.00	7.00	9.00
15 tons steel and iron weighing 6 lb. or more per lin.ft. per ton of 2,000 lb.	18.00	20.00	15.00	16.00	15.00	15.00	20.00
4,000 sq.yd. Portland cement mortar, ½-in. or more in thickness	.30	.50	.25	.30	.60	.40	.60
50 cu.yd. grout made of neat Portland cement	14.00	20.00	20.00	15.00	16.00	20.00	17.00
100 cu.yd. grout made of one volume of Portland cement to one and one-half of fine sand	12.00	17.00	15.00	10.00	12.00	12.00	15.00
100 cu.yd. grout made of one volume of Portland cement to four of fine sand	10.00	13.00	12.00	7.00	5.00	6.00	12.00
50,000 sq.yd. prepared textile and asphalt	.40	.40	.25	.35	.40	.45	.60
Maintaining and protecting the buildings and structures on the line of the work, and all other work and risks (lump sum)	5,000.00	10,000.00	3,000.00	5,000.00	10,000.00	2,500.00	12,500.00
4,000 lin.ft. spruce piles	.45	.30	.40	.25	.30	.25	.25
Extended totals	$396,833	$419,097	$530,205	$382,364	$513,492	$439,521	$597,661

SEWER SYSTEM, MAYWOOD, N. J.

Bids were received July 26 for the construction of a sewer system at Maywood, according to plans prepared by Alexander Potter, 50 Church St., New York, N. Y. For Contract A, Subdivision (a) lateral sewers, and Subdivision (b) trunk sewers, bids were received from (A) MARTIN, MILLER & PIZZIMENTI, Caldwell, N. J. (awarded contract); (B) Fusco Construction Co.; (C) D'Napollo & Toriello Contracting Co.; (D) Frank Puglia; (E) Utility Construction Co.; (F) Allen Engineering and Contracting Co.; (G) Dock Contractor Co.; (H) Murphy Bros.; (I) Cestone Construction Co.; (J) Marrison & Hall; (K) Humphrey Engineering Co. For Contract B, sewage disposal plant, bids were received from (A) James R. Donnelly; (B) F. R. Long-W. G. Broadhurst Co.; (C) A. Vignola & Co.; (D) Heyman & Goodman Co.; (E) E. C. Humphrey; (F)Suburban Engineering Co.; (G) MARTIN, MILLER & PIZZIMENTI, Caldwell, N. J. (awarded contract); (H) P. T. Braunworth; (I) I. H. Card; (J) Fusco Construction Co.; (K) Di Napoli & Toriello Construction Co.; (L) Young & Hyde, Inc. The item bids were as follows:

Contract A—Subdivision (a)

	A	B	C	D	E	F	G	H	I	J	K
2,500 cu.yd. loose rock	$1.00	$1.50	$0.50	$1.25	$0.65	$0.50	$1.10	$0.75	$1.00	$0.75	$1.00
3,500 cu.yd. solid rock	1.00	1.75	1.40	2.00	1.50	1.50	2.00	2.50	1.75	2.50	2.50
2,500 cu.yd. wet earth excavation	.50	.25	.40	.40	.80	2.00	1.25	.60	.75	1.25	1.00
34,154 lin.ft. 8-in. vitrified pipe:											
2,732 lin.ft.0-6 ft. deep	.35	.37	.39	.40	.39	.44	.45	.61	.51	.45	.42
25,937 lin.ft. 6-8 ft. deep	.48	.40	.46	.45	.50	.56	.49	.77	.62	.60	.66
3,863 lin.ft. 8-10 ft. deep	.65	.50	.58	.65	.68	.65	.59	.92	.67	.80	1.04
1,472 lin.ft. 10-12 ft. deep	1.05	.62	.75	.90	.89	.78	.70	1.09	.93	1.25	1.65
150 lin.ft. 12-14 ft. deep	1.57	.75	1.10	1.30	1.65	.90	1.16	1.38	1.00	2.50	1.90
1,715 lin.ft. 10-in. vitrified pipe:											
665 lin.ft. 0-6 ft. deep	.45	.47	.48	.46	.46	.55	.49	.57	.63	.50	.48
360 lin.ft. 6-8 ft. deep	.57	.52	.54	.55	.58	.64	.58	.75	.75	.65	.72
320 lin.ft. 8-10 ft. deep	.80	.60	.66	.85	.78	.88	.79	.98	.90	.84	1.04
370 lin.ft. 10-12 ft. deep	1.15	.67	.85	1.10	1.00	1.10	.90	1.20	1.00	1.30	1.71
108 manholes	37.00	50.00	45.00	30.00	37.40	40.00	53.75	42.00	47.00	50.00	55.00
8 feet of drop manholes	3.00	8.00	5.00	2.00	15.00	4.00	5.00	5.00	10.00	4.00	10.00
21 flush tanks	70.00	100.00	100.00	75.00	65.00	75.00	95.00	74.75	97.00	70.00	75.00
500 branches on 8-in. pipe	.40	1.00	.60	.42	.55	.50	.50	.57	.50	.50	1.25
15 branches on 10-in. pipe	.60	1.25	.75	.75	.90	.65	.75	.80	1.00	.50	1.35
6,000 lin.ft. gravel foundation	.10	.25	.10	.15	.08	.10	.07	.17	.12	.20	.15
10 cu.yd. concrete masonry	7.50	8.50	10.00	7.00	13.00	6.00	8.00	5.75	10.00	9.00	8.50
20 M ft. b.m. sheeting and timber	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
14,300 lin.ft. macadam replaced	.15	.12	.08	.10	.10	.06	.28	.17	.12	.17	.50
Crossing of N. Y., S. & W. R.R., 27 lin.ft. of 8-in. steel pipe	3.00	5.00	2.50	12.00	4.50	3.00	11.50	2.30	2.50	10.00	10.00
Extended totals	$35,334	$37,901	$34,518	$37,479	$36,802	$40,691	$44,933	$51,148	$44,080	$49,914	$57,536

Subdivision (b)

	A	B	C	D	E	F	G	H	I	J	K
1,000 cu.yd. loose rock	$0.75	$1.00	$0.50	$1.25	$0.55	$0.50	$1.10	$1.00	$0.50	$0.75	$1.00
900 cu.yd. solid rock	1.00	1.50	1.40	2.00	1.45	1.50	2.00	2.50	1.00	2.50	2.50
3,500 cu.yd. wet earth excavation	.50	.50	.40	.40	1.15	2.00	1.25	1.00	.90	1.25	1.50
953 lin.ft. 12-in. vitrified pipe:											
10 lin.ft. 0-6 ft. deep	.50	.50	.67	.75	.64	.62	.68	.80	.65	.50	.52
70 lin.ft. 6-8 ft. deep	.65	.57	.76	.80	.84	.73	.68	1.10	.80	.70	.81
220 lin.ft. 8-10 ft. deep	.80	.65	.92	.90	1.06	1.00	.89	1.25	.90	.85	1.00
653 lin.ft. 10-12 ft. deep	1.05	.70	1.19	1.10	.130	1.29	1.05	1.40	1.05	1.00	1.78
1,331 lin.ft. 15-in. vitrified pipe:											
105 lin.ft. 6-8 ft. deep	.85	.65	.87	1.00	1.04	.88	.90	1.10	.80	.65	1.00
360 lin.ft. 8-10 ft. deep	1.00	.70	.98	1.25	1.27	1.14	1.17	1.15	1.00	.90	1.41
600 lin.ft. 10-12 ft. deep	1.25	.82	1.18	1.75	1.55	1.48	1.30	1.27	1.35	1.40	1.92
266 lin.ft. 12-14 ft. deep	1.60	1.00	1.47	2.25	1.80	2.00	1.46	1.45	1.60	2.50	2.30
8,967 lin.ft. 18-in. vitrified pipe:											
6,953 lin.ft. 0-6 ft. deep	.85	.82	1.05	1.00	1.21	.91	.88	1.05	1.40	1.25	1.00
1,154 lin.ft. 6-8 ft. deep	1.00	.92	1.22	1.25	1.35	1.20	1.15	1.25	1.50	1.50	1.34
320 lin.ft. 8-10 ft. deep	1.50	1.00	1.37	1.70	1.62	1.50	1.26	1.60	1.70	1.65	1.65
210 lin.ft. 10-12 ft. deep	1.85	1.10	1.58	2.00	1.77	1.70	1.52	1.84	1.85	1.75	2.20
330 lin.ft. 12-14 ft. deep	2.05	1.25	1.86	2.25	2.17	1.93	1.65	2.18	2.00	3.00	2.40
6,615 lin.ft. 20-in. vitrified pipe:											
5,670 lin.ft. 0-6 ft. deep	1.05	.92	1.25	1.15	1.72	1.10	.95	1.15	1.50	1.45	1.25
730 lin.ft. 6-8 ft. deep	1.25	1.00	1.50	1.60	1.93	1.26	1.20	1.38	1.65	1.60	1.46
65 lin.ft. 8-10 ft. deep	1.65	1.10	1.71	2.00	2.25	1.53	1.42	1.84	1.80	1.80	1.77
150 lin.ft. 10-12 ft. deep	2.05	1.25	1.96	2.50	2.50	1.96	1.65	2.07	2.00	2.00	2.29
87 manholes	35.00	50.00	45.00	40.00	42.50	40.00	53.75	40.00	57.00	50.00	60.00
3 branches on 12-in. pipe	.60	1.50	1.00	2.00	.75	.75	.90	3.00	1.00	1.00	3.00
5 branches on 15-in. pipe	.90	2.00	1.50	2.00	.98	1.25	1.55	3.00	1.50	1.25	4.00
5 branches on 18-in. pipe	1.35	3.00	2.25	2.25	1.50	1.85	2.28	3.00	2.00	1.40	5.00
5 branches on 20-in. pipe	1.65	3.50	3.00	2.50	1.75	2.35	2.81	3.00	2.00	1.50	6.25
1,600 lin.ft. gravel foundation	.10	.30	.10	.15	.08	.10	.07	.20	.15	.20	.15
2,282 lin.ft. 12-in. c.i. pipe:											
1,210 lin.ft. 0-6 ft. deep	1.50	1.75	1.73	1.75	1.45	1.80	1.90	1.55	2.20	1.50	1.63
462 lin.ft. 6-8 ft. deep	1.65	1.80	1.90	2.00	1.58	2.00	2.15	1.78	2.25	2.00	1.93
440 lin.ft. 8-10 ft. deep	1.90	1.90	2.05	2.25	1.83	2.25	2.37	2.00	2.50	2.50	2.28
170 lin.ft. 10-12 ft. deep	2.25	2.00	2.34	2.90	2.18	2.40	2.67	2.30	2.55	3.00	2.95
1,555 lin.ft. 14-in. c.i. pipe:											
1,013 lin.ft. 0-6 ft. deep	1.85	1.85	2.10	2.00	1.61	2.00	1.82	1.90	2.75	1.75	1.90
500 lin.ft. 6-8 ft. deep	2.05	2.00	2.30	2.50	1.74	2.25	2.12	2.12	3.00	2.00	2.20
42 lin.ft. 8-10 ft. deep	2.40	2.15	2.55	3.00	2.04	2.75	2.38	2.53	3.25	3.00	2.50
2,200 lin.ft. 18-in. c.i. pipe, 0-6 ft. deep	2.30	3.00	2.95	2.00	2.15	2.25	2.70	2.87	3.07	2.50	2.50
240 lin.ft. 20-in. c.i. pipe, 0-6 ft. deep	2.75	4.00	3.50	3.25	2.65	2.50	3.00	3.45	20.00	3.00	2.80
40 cu.yd. concrete masonry	7.00	10.00	10.00	7.00	14.00	6.00	8.00	5.75	9.00	9.00	8.00
40,000 ft. b.m. sheeting and timber	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
4,000 lin.ft. macadam replaced	.15	.15	.08	.10	.10	.06	.28	.30	.10	.17	.50
Railroad crossings:											
117 lin.ft. 18-in. steel pipe	4.00	5.00	5.00	15.00	6.50	4.00	13.25	8.00	15.00	15.00	20.00
90 lin.ft. 12-in. steel pipe	4.00	3.00	3.50	14.00	5.50	3.00	9.15	6.30	10.00	10.00	20.00
27 lin.ft. 18-in. steel pipe	4.00	5.00	5.00	15.00	6.50	3.75	13.25	6.90	8.77	10.00	15.00
Coles Brook siphon (lump sum)	400.00	1,500.00	800.00	300.00	300.00	575.00	500.00	920.00	.....	5,600.00	545.00
Extended totals	$40,985	$43,972	$47,275	$48,395	$51,615	$48,709	$50,358	$51,315	$60,557	$56,117	$59,037

Contract B

	A	B	C	D	E	F	G	H	I	J	K	L
850 cu.yd. earth excavation	$2.00	$1.67	$2.75	$1.40	$2.50	$1.50	$2.50	$5.00	$4.75	$2.00	$2.00	$4.95
100 cu.yd. Class A concrete	15.00	14.36	10.00	21.00	15.00	14.50	16.00	13.50	13.50	7.50	20.00	12.65
29 cu.yd. Class B concrete	8.00	13.40	10.00	21.00	14.00	11.50	12.00	12.50	8.00	7.00	15.00	12.10
780 sq.ft. hy-rib partition, including reinforcement	.19	.36	.35	.30	.50	.30	1.00	.28	.48	.50	1.00	.46
230 bbl. of cement	1.63	1.65	2.00	2.00	1.65	2.20	1.50	1.70	1.95	2.00	2.00	2.30
9,800 lb. steel reinforcement	.03	.04	.03	.05	.04	.05	.10	.04	.035	.05	.10	.05
660 sq.ft. No. 23 triangular mesh	.045	.10	.04	.10	.15	.05	.25	.22	.04	.10	.30	.06
Superstructure	500.00	702.00	1,105.00	600.00	750.00	1,000.00	750.00	700.00	857.40	1,700.00	2,700.00	1,700.00
Equipment	898.00	985.00	895.00	1,030.00	1,015.00	1,450.00	1,500.00	800.00	933.00	500.00	800.00	1,840.00
Sludge bed	275.00	380.00	375.00	260.00	400.00	275.00	500.00	250.00	195.00	1,000.00	1,800.00	810.00
250 lin.ft. 16-in. c.i. pipe	2.50	2.52	2.55	3.00	2.60	2.95	2.00	2.40	2.47	4.00	2.25	4.00
Extended totals	$9,077	$9,579	$10,243	$10,789	$10,706	$10,734	$11,593	$11,861	$11,885	$12,259	$14,665	$16,591

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